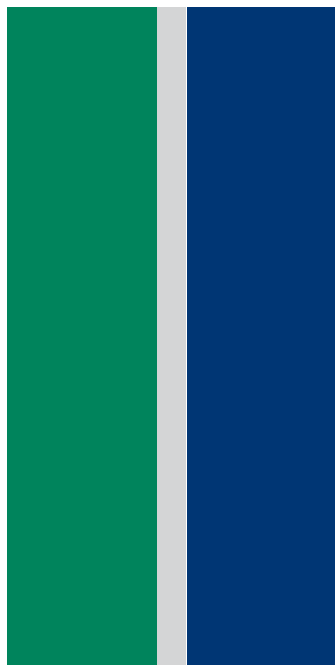
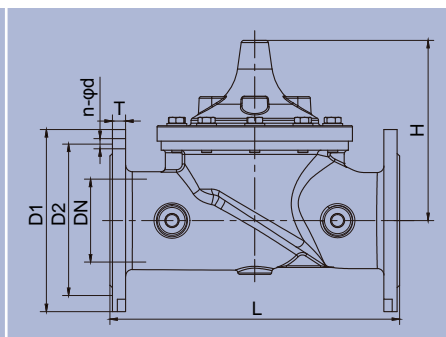


A100 ACV Series Floating Control Valve PN16 Floating Ball Liquid Level Control Type



Features and Benefits:

- Automatic control valve, running by itself.
- One complete combined disc, easy for maintenance.
- Diaphragm type, quick response against pressure change.
- Big inner chamber, avoid noise by cavitations and reduce static pressure.
- Main body and floating ball split installation.



Floating Control Valve - A100 unit: mm

No	Size	DN	D1	D2	T	n-φd	L	H	Weight (kg)
28141170005	2"	50	165	125	19	4-19	230	152	12.5
28141180004	2 1/2"	65	185	145	19	4-19	290	172	16.5
28141180005	3"	80	200	160	19	8-19	310	182	20.0
28141180006	4"	100	220	180	19	8-19	350	218	30.0
28141190005	5"	125	250	210	19	8-19	400	240	41.0
28141190006	6"	150	285	240	19	8-23	480	275	56.0
28141190007	8"	200	340	295	20	12-23	600	329	101.0
28141193002	10"	250	405	355	22	12-28	622	418	251.0
28141194002	12"	300	460	410	25	12-28	698	503	315.0
28141195002	14"	350	520	470	27	16-28	787	580	426.0
28141196002	16"	400	580	525	28	16-31	914	639	551.0

Applicable Standards:

Flange standard: BS EN 1092-2

Face to face standard: EN558 Series 10

Technical Data:

Size: DN50 ~ DN400 (2" ~ 16")

Nominal pressure: PN 16

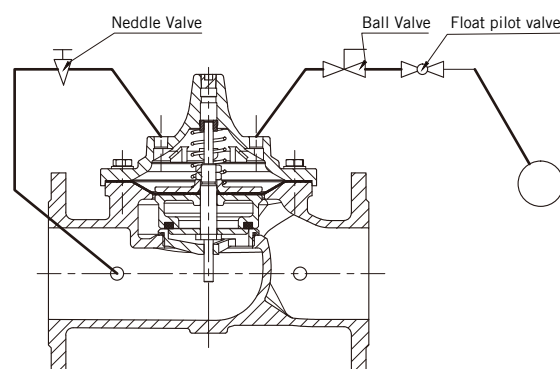
Temperature range: 0°C ~ 85°C

Suitable for: Water and neutral liquids

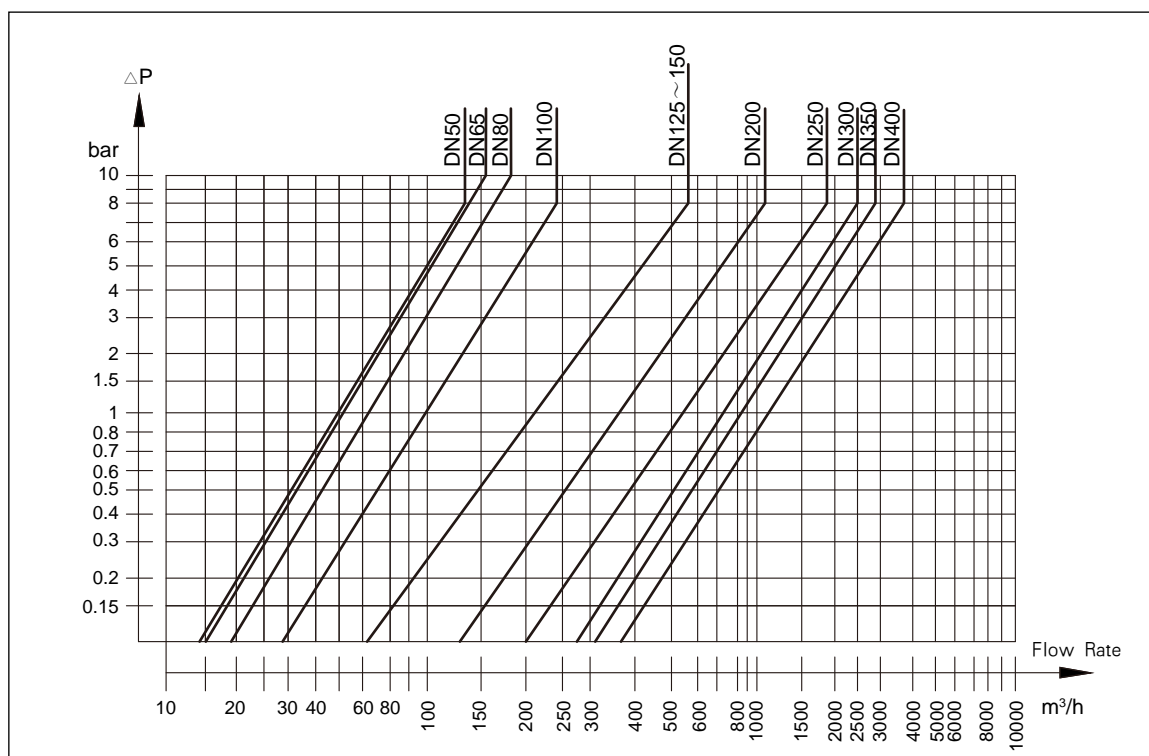
Materials Specifications

Component	Material
Body	Ductile Iron JS1040
Bonnet	Ductile Iron JS1040
Seat (DN50-100)	SS304
Seat (DN125-400)	Al-Bronze
O- ring	Rubber, EPDM
Diaphragm	Reinforce Rubber with Nylon
Disc	Ductile Iron JS1040

Drawing



Pressure Drop Curve (Main Valve Fully Open)

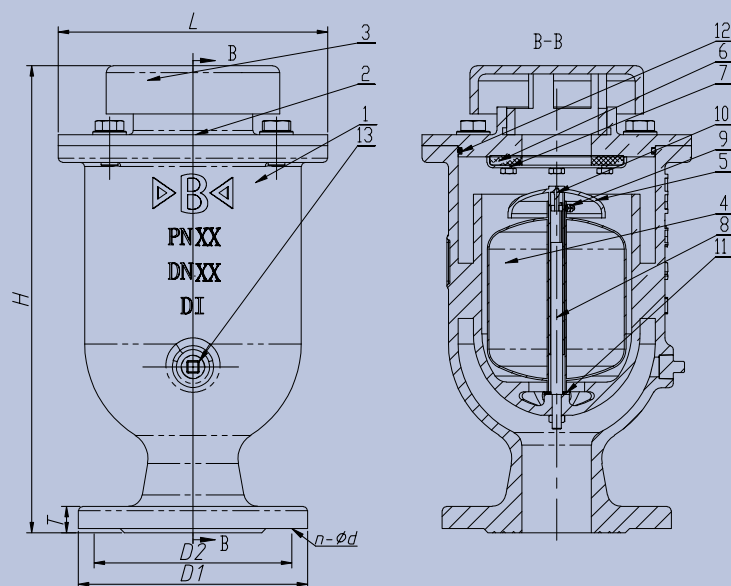


*Conex|Bänninger products are approved by numerous Standards Authorities and Certification Bodies. For more details on this product range, please email our technical team at: technical@ibpgroup.com.

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Conex | Bänninger

Industrial Valves



Valves Range

AVRX Combination Air Release Valve

No	Component	Material
1	Body	Ductile iron GGG40
2	Bonnet	Ductile iron GGG40
3	Protect Cover	Ductile iron GGG40
4	Float Ball	SS304
5	Float Disc	SS304
6	Seat	EPDM
7	Seat Holder	SS304
8	Stem	SS420
9	Nut	SS420
10	Plug	SS420+EPDM
11	Sealing	EPDM
12	O-Ring	EPDM
13	Drain Plug	KTH330-08

Technical Data

Size: DN50~DN200 (2"~8")

Nominal pressure: PN 16

Temperature range: 0°C~80°C

Max working pressure: 16 bar

Features and Benefits:

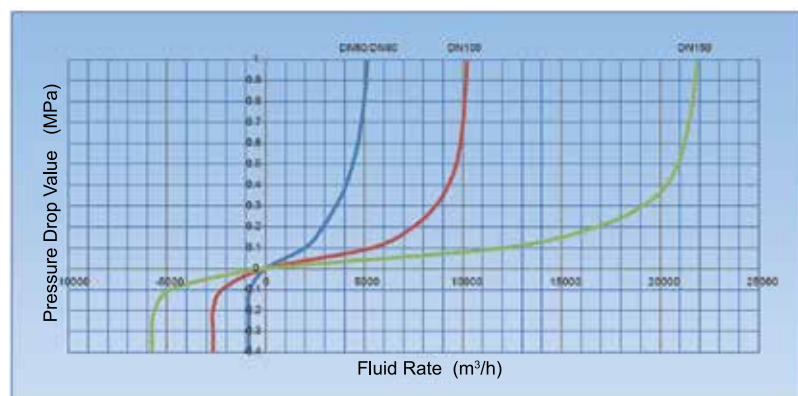
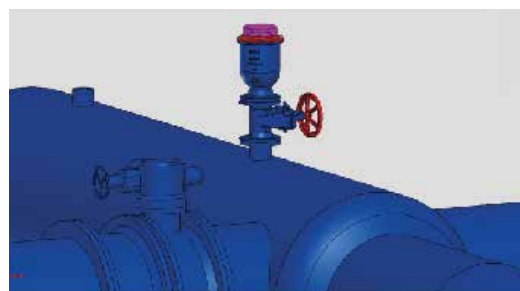
- Designed to release accumulated air when under pressures.
- Manufactured with a dual Air function to prevent pipeline surges and maintain system efficiency.
- High performance when installed at minimum pressure.
- Air release at sonic speed.
- Available in sizes 2 -8".
- Manufactured with stainless steel materials to stand high pressure.
- Highly sensitive to negative pressures which protects the pipelines from getting damaged..
- High quality ductile iron construction.
- Manufactured to withstand high pressures.

AVRX - Combination Air Release

Europe Code	Size	DN	H	W	d	F	D	N	M	T	Weight (kg)
A0050CFDMNMSSE	2"	50	338	194	125	99	165	4	19	19	16.3
A0080CFDMNMSSE	3"	80	338	194	160	132	200	8	19	19	19
A0100CFDMNMSSE	4"	100	408	250	180	156	220	8	19	19	34.5
A0150CFDMNMSSE	6"	150	483	330	240	211	285	8	23	19	48
A0200CFDMNMSSE	8"	200	655	450	295	266	340	12	23	20	116.20

Instructions:

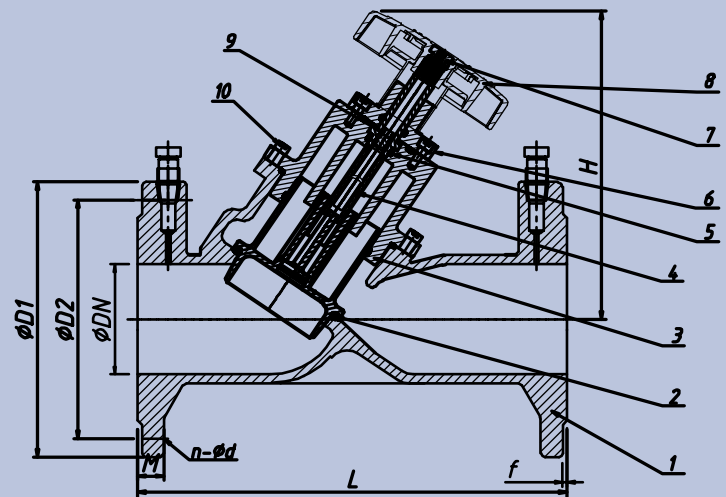
- A: The air release valve is suitable for installation at outlet of pump, or in water supply pipeline.
- B: Valves must be installed at the system high point in the vertical position with the inlet down.
- C: The pressure in system should not be less than 0.02Mpa. Otherwise the valve can't close.
- D: A shut off valve should be installed below the air release valve in case servicing is required.



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Conex | Bänninger Industrial Valves



Static Balancing Valve BSPX Series PN16 Flanged

No	Component	Material
1	Body	Ductile Iron GGG40
2	Sealing Ring	EPDM
3	Bonnet	Ductile Iron GGG40
4	Stem	Brass
5	O-ring	EPDM
6	Gland	Brass
7	Screw	Brass
8	Handwheel	PA6
9	Memory Wheel	Brass
10	Bolt	Grade 8.8
11	Guild Stem	SS410

Applicable Standards

Product standard: BS 7350: 1990

Flanges standard: BS EN 1092-2

Face to face standard: BS EN 558-1

Technical Data

Size: DN65 ~ DN300 (21/2~12)

Nominal pressure: PN 16

Temperature range: -5°C ~ 80°C

Shell test pressure: 1.5PN

Seat test pressure: 1.1PN

Suitable for: Water, Glycol

Features and Benefits:

- Available in sizes 2 1/2"-12".
- Y pattern type design.
- Available with a shut off handle for zero leakage.
- Designed with a high quality ductile iron material.
- Suitable for water and glycol applications.
- Designed and manufactured in accordance with BS 7350:1990.
- Ascetically designed and constructed.
- Manufactured with a high pressure flow rate of more than T type.
- Designed to balance the pressure and reduce torque.
- Designed with multiple pressure tapping point for flow testing equipments.
- Manufactured with a lockable handle wheel for added protections.
- Available with an orifice body for accurate regulation and pre setting features.
- Designed to reduce commissioning cost.

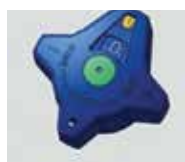
KV Value (DN65 - DN300) - unit: mm									
Turns	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	
0.5	1.80	2.00	2.50	5.50	6.50	*	*	*	
1.0	3.40	4.00	6.00	10.5	12.0	*	*	*	
1.5	4.90	6.00	9.00	15.5	22.0	*	*	*	
2.0	6.50	8.00	11.5	21.5	40.0	40.0	290.0	*	
2.5	9.30	11.0	16.0	27.0	65.0	50.0	110.0	*	
3.0	16.3	14.0	26.0	36.0	100.0	65.0	140.0	150.0	
3.5	25.6	19.5	44.0	55.0	135.0	90.0	195.0	230.0	
4.0	35.3	29.0	63.0	83.0	169.0	120.0	255.0	300.0	
4.5	44.5	41.0	80.0	114.0	207.0	165.0	320.0	370.0	
5.0	52.0	55.0	98.0	141.0	242.0	225.0	385.0	450.0	
5.5	60.5	68.0	115.0	167.0	279.0	285.0	445.0	535.0	
6.0	68.0	80.0	132.0	197.0	312.0	340.0	500.0	620.0	
6.5	73.0	92.0	145.0	220.0	340.0	400.0	545.0	690.0	
7.0	77.0	103.0	159.0	249.0	367.0	435.0	590.0	750.0	
7.5	80.5	113.0	175.0	276.0	391.0	470.0	660.0	815.0	
8.0	85.0	120.0	190.0	300.0	420.0	515.0	725.0	890.0	
9.0						595.0	820.0	970.0	
10						650.0	940.0	1040.0	
11						710.0	1050.0	1120.0	
12						765.0	1185.0	1200.0	
13								1320.0	
14								1370.0	
15								1400.0	
16								1450.0	

BSPX Static Balancing Valve

Europe code	Size	DN	L	H	D	φ	D1	n- d	Weight (kg)
D0065CFDSH01RE	2 1/2"	65	290	215	185		145	4-19	13.05
D0080CFDSH01RE	3"	80	310	225	200		160	8-19	16.05
D0100CFDSH01RE	4"	100	350	240	220		180	8-19	21.65
D0125CFDSH01RE	5"	125	400	270	250		210	8-19	31.60
D0150CFDSH01RE	6"	150	480	280	285		240	8-23	47.75
D0250CFDSH01RE	8"	200	600	420	340		295	12-23	79.25
D0300CFDSH01RE	10"	250	730	450	405		350	12-28	126.50
D0200CFDSH01RE	12"	300	850	480	460		410	12-28	236.00

Kv turns pre-setting process

Method as below: (Take 2.5 turns for example.)



A) Turn the wheel to position 0: the valve is fully closed.



B) Open the valve until the two marking zones reach respectively position 2 & 5: the sealing disc is opened at 2.5 turns.



C) Take off the green cap on the handwheel. Using a 4mm Allen key turn the memory device clockwise until it stops, the maximum opening position is set to 2.5 turns.



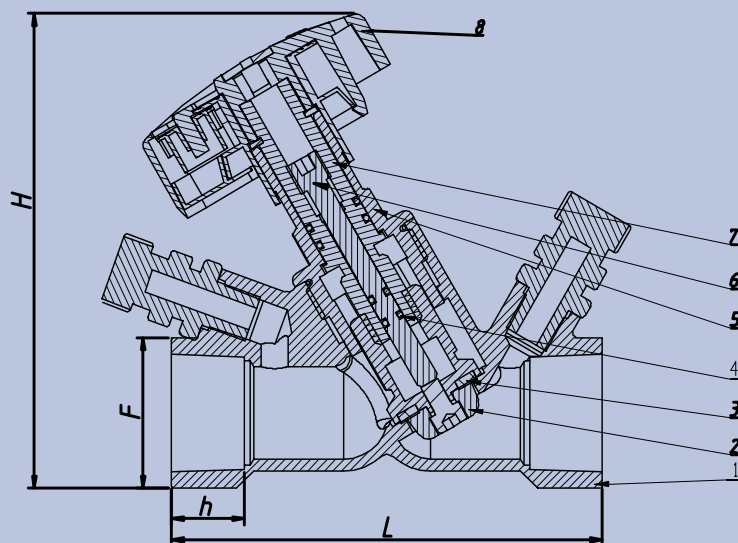
D) Put back the green cap. Pre-setting is done.



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Conex | Bänninger Industrial Valves



Valves Range

BSSX Threaded Bronze Static Balancing Valves PN16 Flange

No	Component	Material
1	Body	Bronze
2	Disc	Brass
3	Seat	PTFE
4	O-ring	EPDM
5	Bonnet	Brass
6	Memory Stem	Brass
7	Stem	Brass
8	Handwheel	PA6

Applicable Standards

Product standard: BS 7350: 1990

Connection standard: BS EN 10226-1

Pressure test standard:
BS EN 12266-2003

Technical Data

Size: DN15~DN50 (1/2~2)

Nominal pressure: PN 25

Temperature range: -10°C ~120°C

Max working pressure: 25 bar

Minimum shell test pressure: 37.5 bar

Minimum seat test pressure: 27.5 bar

Suitable for: Water, Glycol

Features and Benefits:

- Available in sizes 1/2"-2".
- Y pattern type design.
- Manufactured with a high quality bronze material.
- Designed to resistant to corrosion.
- Designed to reduce friction and torque.
- Designed and manufactured in accordance with BS 7350:1990.
- Designed with multiple pressure tapping point for flow testing equipments.
- Manufactured with a lockable handle wheel for added protections.
- Designed for high pressure flow rate of 15~20% to more than T type.
- Available with an orifice body for accurate regulation and pre setting features.
- Designed to reduce commissioning cost.
- Suitable for water and glycol applications.

KV Value (DN15 - DN50) - unit: mm

Turns	DN15	DN20	DN25	DN30	DN40	DN50
0.5	0.54	0.93	1.39	2.21	3.46	7.20
1.0	0.72	1.14	2.05	2.97	4.29	8.60
1.5	0.82	1.61	2.76	4.13	5.29	10.26
2.0	0.90	2.34	3.83	5.60	6.44	12.41
2.5	1.22	3.55	4.99	7.28	8.03	13.42
3.0	1.75	4.70	6.14	8.89	9.61	15.47
3.5	2.26	5.26	7.17	9.99	11.34	16.74
4.0	2.68	5.68	7.77	10.83	12.75	17.29
4.5	3.01	5.76	7.99	11.46	14.29	19.94
5.0	*	*	*	11.91	15.26	20.86
5.5	*	*	*	*	16.26	22.99
6.0	*	*	*	*	*	23.95
6.5	*	*	*	*	*	24.96
7.0	*	*	*	*	*	*

BSSX - Threaded Bronze Static Balancing Valves

Europe code	Size	DN	L	H	Weight (kg)
D0015DTBSHMSRE	1/2"	15	100	119	0.55
D0020DTBSHMSRE	3/4"	20	100	119	0.70
D0025DTBSHMSRE	1"	25	113	123	0.80
D0032DTBSHMSRE	1 1/4"	32	117	133	1.00
D0040DTBSHMSRE	1 1/2"	40	131	140	1.30
D0050DTBSHMSRE	2"	50	150	152	1.75

Kv turns pre-setting process

Method as below: (Take 2.5 turns for example.)



A) Turn the wheel to position 0: the valve is fully closed.



B) Open the valve until the two marking zones reach respectively position 2 & 5: the sealing disc is opened at 2.5 turns.



C) Take off the green cap on the handwheel. Using a 4mm Allen key turn the memory device clockwise until it stops, the maximum opening position is set to 2.5 turns.



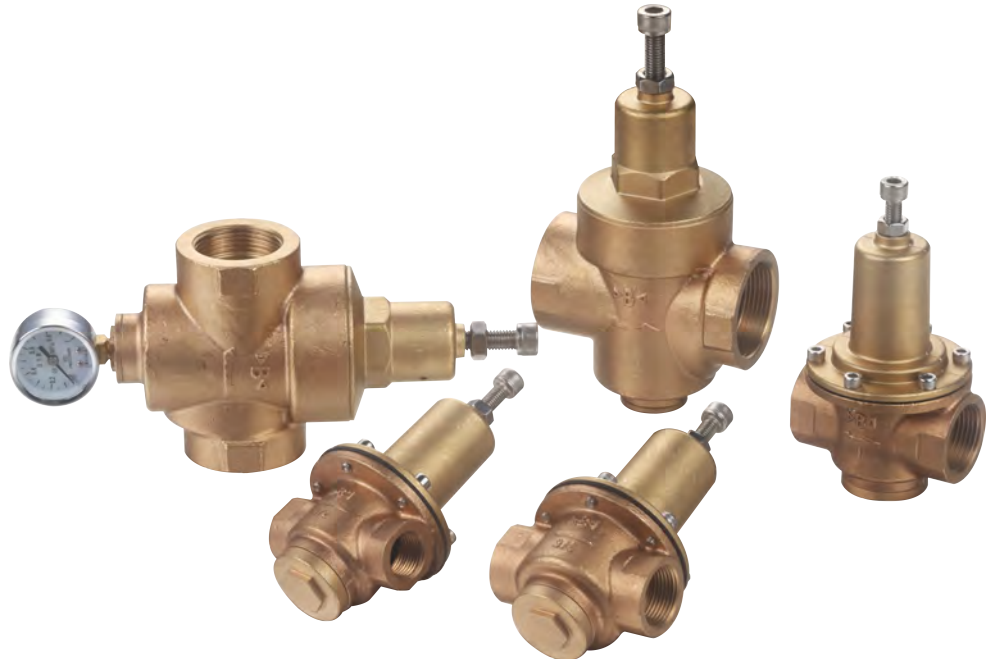
D) Put back the green cap. Pre-setting is done.



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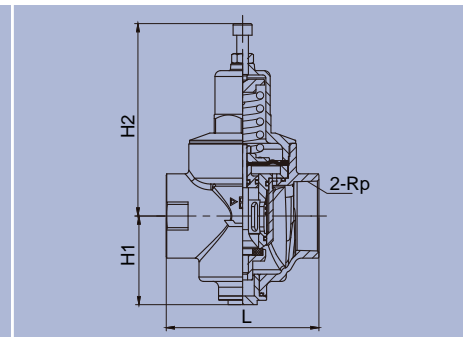
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PRRX Series Pressure Reducing Valve
PN16 Screwed



Features and Benefits:

- Bronze material, corrosion resistant.
- Direct reaction design, high accuracy of pressure adjustment.
- Diaphragm type, quick response against pressure change.
- Big inner chamber, avoid noise.
- Inlet pressure balancing function, fluctuating inlet pressure doesn't influence outlet pressure.
- Stainless steel and bronze parts, corrosion resistant.
- If required, pressure gauge can be installed.



Bronze Pressure Reducing Valve - PRRX unit: mm

No	Size	DN	L	H1	H2	kg	Code
PRRX-0015C	1/2"	15	70	32	108	0.9	28211320001
PRRX-0020C	3/4"	20	75	32	121	0.9	28211330001
PRRX-0025C	1"	25	80	35	121	1.1	28211340001
PRRX-0032C	1 1/4"	32	105	61	133	2.4	28211350001
PRRX-0040C	1 1/2"	40	105	61	133	2.3	28211360001

Applicable Standards:

Connection Standard: BS 21 BS EN10226-1

Test Standard: BS EN12266-2003

Technical Data:

Size: DN15~DN40($\frac{1}{2}$ " ~ $1\frac{1}{2}$ ")

Nominal pressure: PN 16

Temperature range: 0~85°C

Input Pressure: $\leq 1.6\text{MPa}$

Output Pressure: 0.1MPa~0.5MPa

Sealing Test: 1.1PN

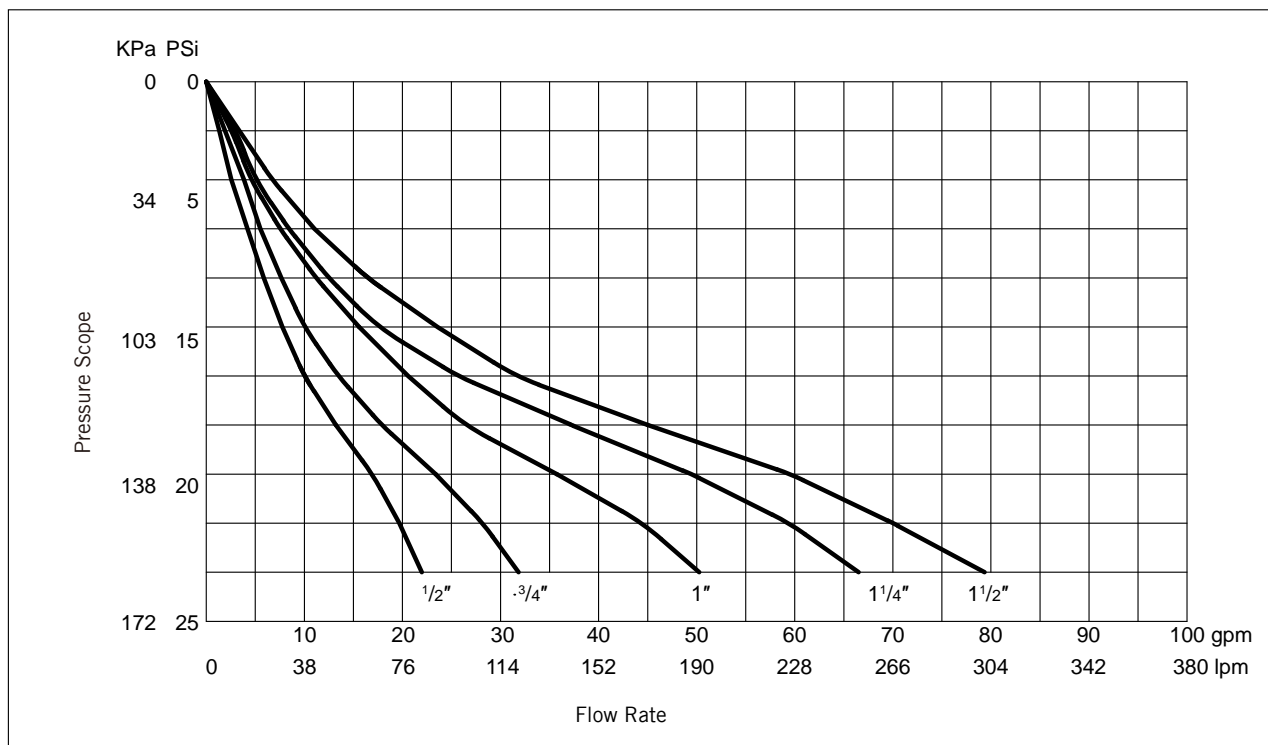
Shell Test: 1.5PN

Suitable for: Water and neutral liquids

Materials Specifications

Component	Material
Body	Bronze B62 C83600
Bonnet	Brass B16 C36000
Disc	Stainless Steel SS420
Sealing	EPDM
Stem	Stainless Steel SS420
Plug	Brass B16 C36000
Diaphragm	Nylon+NBR

Pressure - Flow Rate Curve

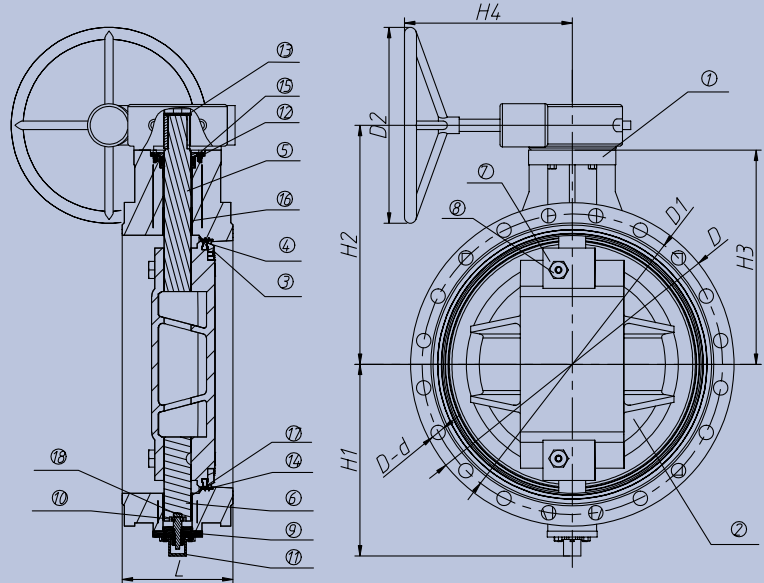


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Conex | Bänninger Industrial Valves



Valves Range

BFGX Flange Eccentric Butterfly Valve PN10 Flanged

No	Component	Material
1	Body	Ductile Iron GGG40
2	Disc	Ductile Iron GGG40
3	Disc Cover	Ductile Iron GGG40
4	Disc Sealing	EPDM
5	Upper Stem	SS410
6	Lower Stem	SS410
7	Disc Pin	SS431
8	Disc Nut	Bronze
9	Body Cover	Ductile Iron GGG40
10	Adjust Cover	SS410
11	Perfect Cover	Ductile Iron GGG40
12	Gland	Steel Q235-A
13	Stem Cover	Steel Q235-A
14	Seat	SS304
15	V ring	EPDM
16	Upper Bearing	Bronze+FTFE
17	Bearing	Bronze+FTFE
18	Adjust Nut	SS420

Applicable Standards

Design standard: EN593, BS5155
 Flange comply with: BS EN1092-2
 Face to face standard: EN558-1 basic series 13
 Top flange standard: ISO5211/1

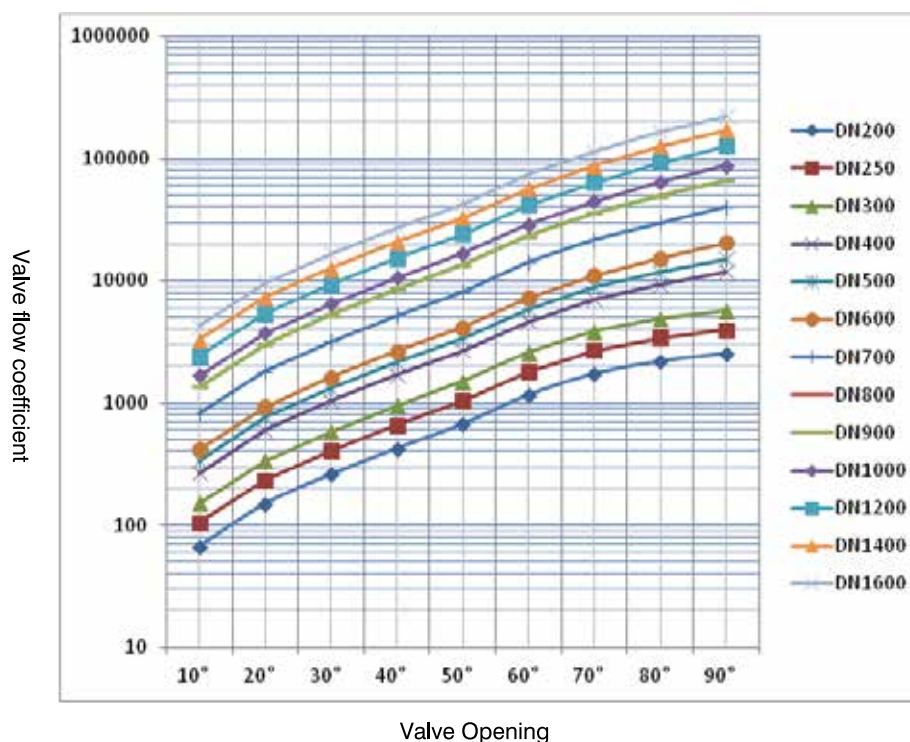
Technical Data

Size: DN400~DN1200 (16"~48")
 Nominal pressure: PN 10
 Temperature range: -5°C~65°C
 Suitable for: Water and neutral liquids

Features and Benefits

- Manufactured with a double flat disc structure for increased strength and stiffness.
- Designed to offer optimal seal performance.
- Low torque operation.
- Designed with a high quality EPDM rubber O-Ring strongly fixed on the disc but easily replaceable.
- Designed with quality ductile iron material.
- Suitable for water and neutral application.
- Available with a Non toxic epoxy powder coating.
- Designed in accordance with EN593 & BS5155 standards.
- Available in PN16. Please contact our sales team for details.

Opening-Flow Co-Efficient Curve Diagram



BFGX - Flange Eccentric Butterfly Valve

Europe Code	Size	DN	L	H1	H2	H3	H4	D	D1	D2	N-d	Weight (kg)
B0400BFDTG13DE	16"	400	216	350	405	360	200	565	515	350	16-26	105
B0450BFDTG13DE	18"	450	222	380	450	385	245	615	565	350	20-26	152
B0500BFDTG13DE	20"	500	229	410	490	425	245	670	620	350	20-26	202
B0600BFDTG13DE	24"	600	267	470	590	515	340	780	725	350	20-30	325
B0700BFDTG13DE	28"	700	292	535	635	560	340	895	840	350	24-30	415
B0800BFDTG13DE	32"	800	318	590	885	625	447	1015	950	350	24-33	600
B0900BFDTG13DE	36"	900	330	675	975	715	447	1115	1050	450	28-33	895
B1000BFDTG13DE	40"	1000	410	735	1020	760	447	1230	1160	450	28-36	1215
B1200BFDTG13DE	48"	1200	470	865	1200	900	500	1455	1380	450	32-39	2378

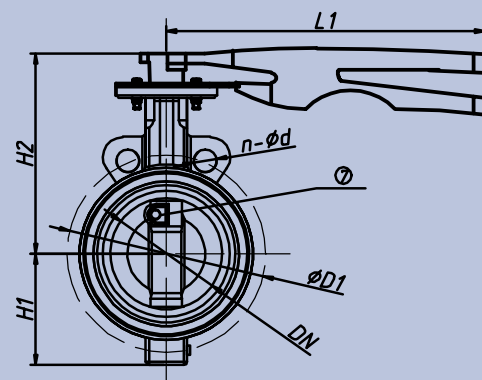
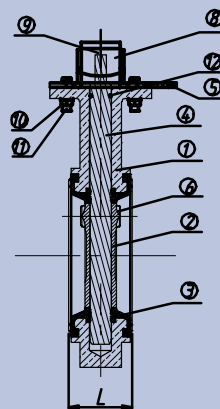


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Industrial Valves



Valves Range

BWLX – BWGX Wafer Type Concentric Butterfly Valve PN16 Flanged

No	Component	Material
1	Body	Ductile iron GGG40
2	Disc	SS304
3	Seat	EPDM
4	Stem	SS410
5	Teeth Plate	SS410
6	Wedge Pin	SS431
7	Screw Pin	SS304
8	Lever	Durcile Iron GGG40
9	Key	C.S.45
10	Nut	Grade 4
11	Bolt	Grde 8.8
12	O-Ring	EPDM

Applicable Standards

Valves comply with EN 593, BS 5155

Connection standard: EN1092-2

Face to face according to EN 558: 2008

Top flange complies with ISO5211/1

Technical Data

Size: DN50~DN600 (2" ~24")

Nominal pressure: PN 16

Temperature range: 0°C~90°C

Suitable for: Water and neutral liquids

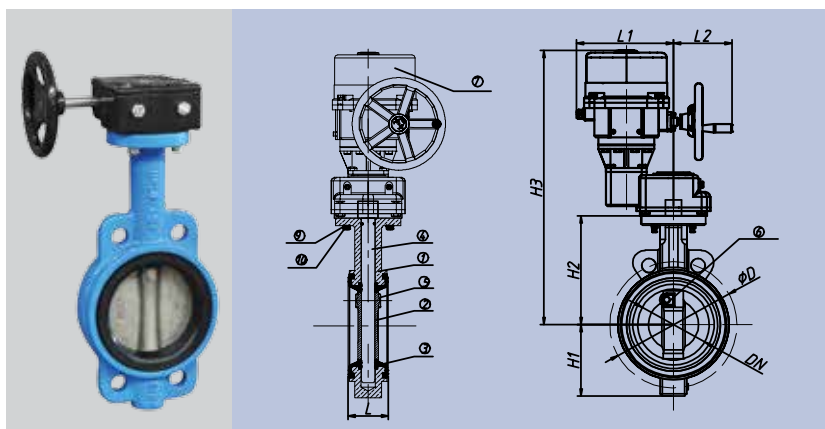
Features and Benefits

- Water type pattern design.
- Designed to offer optimal seal performance.
- Designed with a handwheeld gearbox for above ground.
- Low torque operation.
- Lever gearbox operation upto DN150 for BWLX and above DN200 for BWGX.
- Designed with a Bi-directional shut-off seat.
- Manufactured in accordance with ISO flange standard.
- Available in sizes 2-24"
- Designed with quality ductile iron material
- Suitable for water and neutral liquids
- Designed and manufactured in accordance with EN 593 & BS5155
- Available with a Non toxic epoxy powder coating

Water Concentric Butterfly Valve - BWLX

Europe Code	Size	DN	L1	H1	H2	D1	D2	Weight (kg)
B0050CWCNL20SE	2"	50	43	74	124	125	99	3
B0065CWCNL20SE	2 1/2"	65	46	74	134	145	118	3
B0080CWCNL20SE	3"	80	46	89	141	160	132	4
B0100CWCNL20SE	4"	100	52	110	156	180	156	5
B0125CWCNL20SE	5"	125	56	130	175	210	184	7
B0150CWCNL20SE	6"	150	56	146	186	240	211	9

BWGX



No	Components	Material
1	Body	Ductile iron GGG40
2	Disc	SS304 Ductile Iron + Epoxy Coating
3	Seat	EPDM
4	Stem	SS410
5	Wedge Pin	SS431
6	Screw Pin	SS304
7	Gear Box	Assembly Parts
8	Key	C.S.45
9	Washer	65Mn
10	Bolt	Grade 8.8
11	O-Ring	EPDM



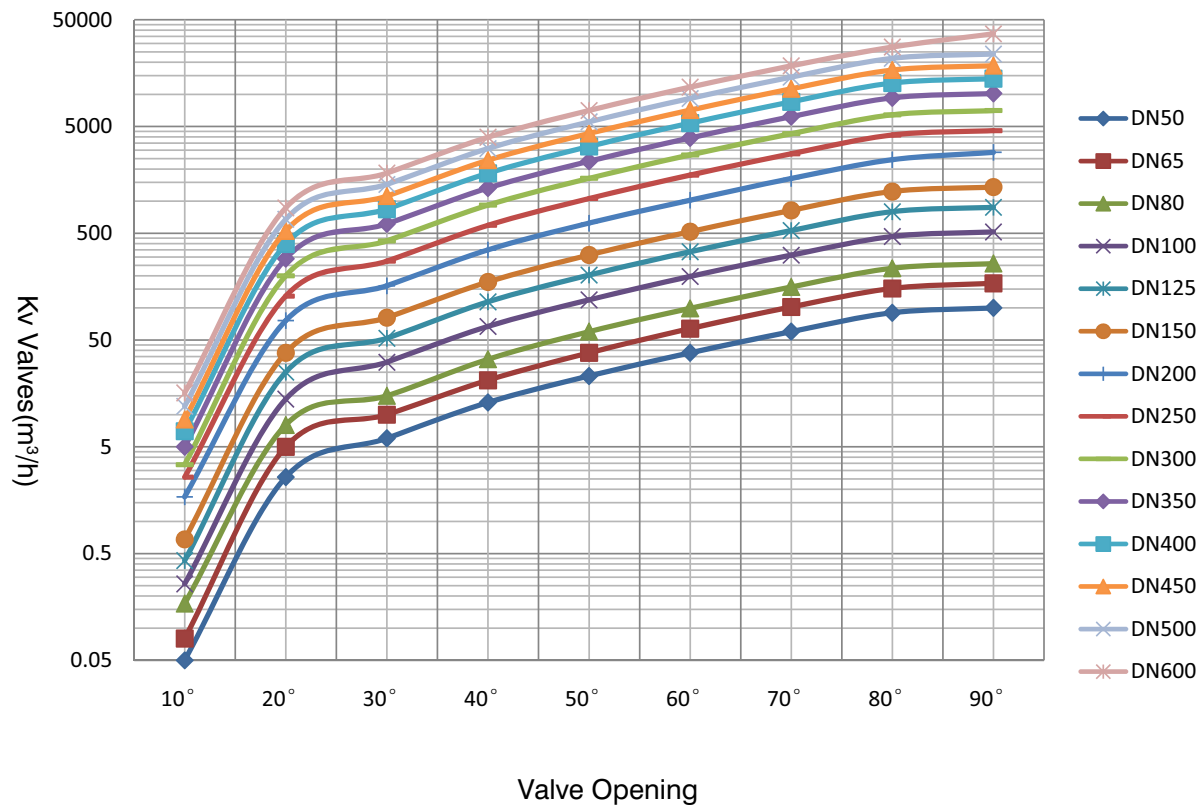
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Water Concentric Butterfly Valve - BWGX

Europe Code	Size	DN	L1	H1	H2	D1	D2	Weight (kg)
B0200CWCNG20SE	8"	200	60	175	218	295	266	25
B0250CWCNG20SE	10"	250	68	220	270	355	319	30
B0300CWCNG20SE	12"	300	78	250	300	410	370	41
B0350CWCNG20SE	14"	350	78	259	368	470	429	48
B0400CWCNG20SE	16"	400	102	309	400	525	480	58
B0450CWCNG20SE	18"	450	114	327	422	585	548	92
B0500CWCNG20SE	20"	500	127	361	480	650	609	155
B0600CWCNG20SE	24"	600	154	459	562	770	720	260

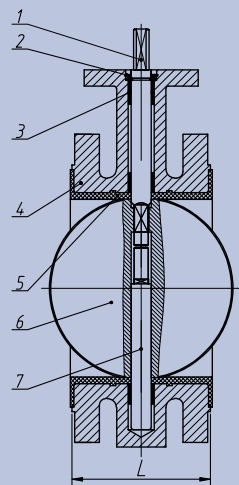
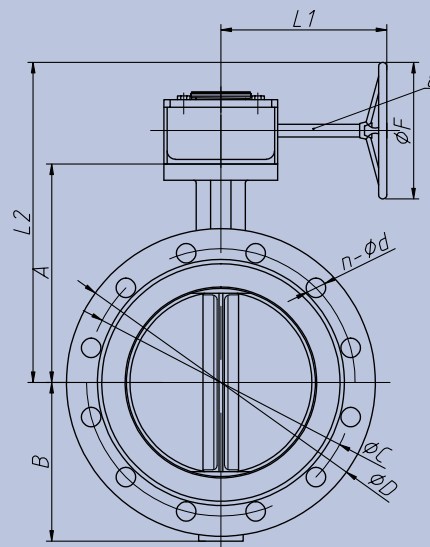
Opening - Kv Value Curve



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Conex | Bänninger Industrial Valves



Valves Range

BZGX Flange Type Concentric Butterfly Valve PN16

No	Component	Material
1	Upper Stem	SS420
2	Washer	65Mn
3	O-ring	EPDM
4	Body	Ductile iron GGG40
5	Seat	EPDM
6	Disc	SS304
7	Lower Stem	SS420
8	Gear Box	Rotork Brand

Applicable Standards

Design standard BS5155, EN593, API609

Connection standard BS EN1092-2

Top flange standard ISO 5211

Face to face standard BS EN558-1 basic series 13

Pressure test standard BS EN12266-1, API598

Technical Data

Size: DN50~DN600 (2"~24")

Nominal pressure: PN 16

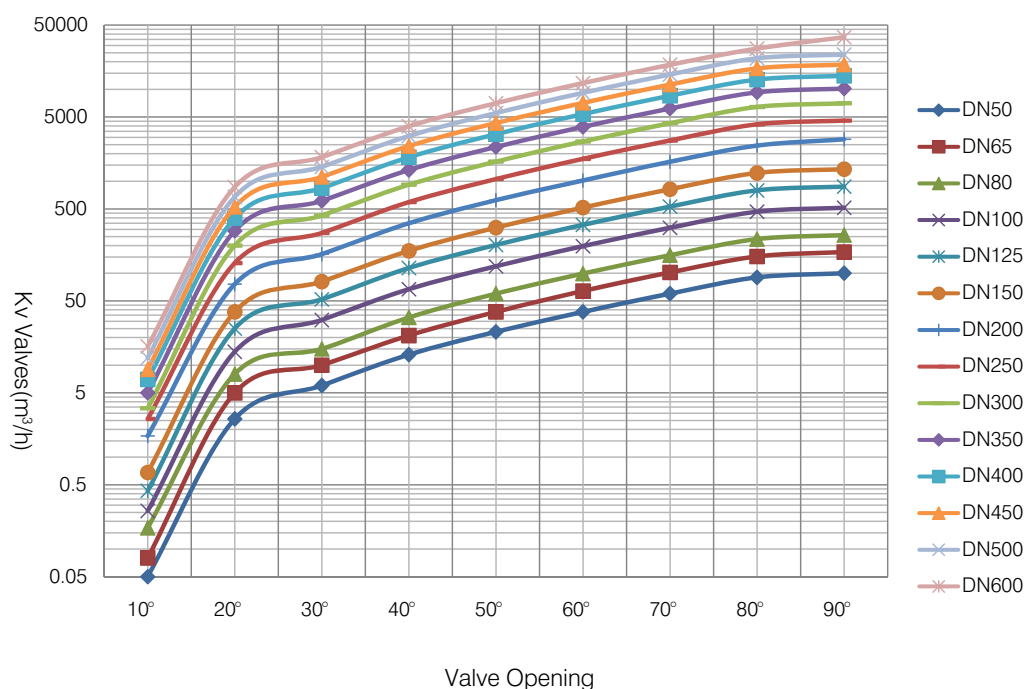
Temperature range: 0°C~80°C

Suitable for: Water and neutral liquids

Features and Benefits

- Flange type pattern design.
- Low torque operation.
- Designed with a Bi-directional shut-off seat.
- Available in sizes 2-24".
- Designed with quality ductile iron material.
- Streamlined disc shape design.
- Suitable for water and neutral liquids.
- Available with a Non-toxic epoxy powder coating.
- Manufactured in accordance with ISO flange standard ISO 5211.
- Available with a vulcanized EPDM seat.
- Available with actuators which are easy to assemble.
- Available with gear and lever operation handles.

Opening - Kv Value Curve



BZGX - Flange Concentric Butterfly Valves

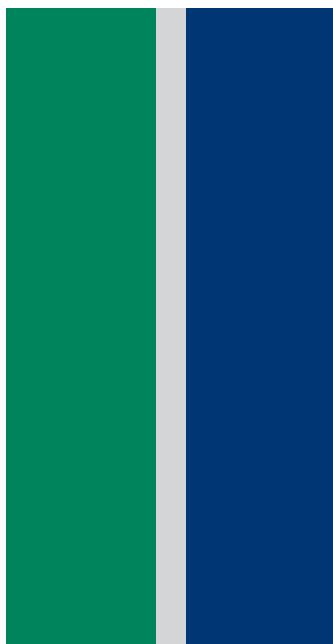
Europe Code	Size	DN	A	B	L	L1	D	K	d	Weight (kg)
B0050CFDCG13SE	2"	50	83	120	108	111	165	125	99	11
B0065CFDCG13SE	2 1/2"	65	93	130	112	115	185	145	118	13
B0080CFDCG13SE	3"	80	100	145	114	117	200	160	132	15
B0100CFDCG13SE	4"	100	114	155	127	130	220	180	156	17
B0125CFDCG13SE	5"	125	125	170	140	143	250	210	184	22
B0150CFDCG13SE	6"	150	143	190	140	143	285	240	211	27
B0200CFDCG13SE	8"	200	170	205	152	155	340	295	266	41
B0250CFDCG13SE	10"	250	198	235	165	168	405	355	319	56
B0300CFDCG13SE	12"	300	223	280	178	182	460	410	370	72
B0350CFDCG13SE	14"	350	312	310	190	194	520	470	429	86
B0400CFDCG13SE	16"	400	330	400	216	221	580	525	480	128
B0450CFDCG13SE	18"	450	353	422	222	227	640	585	548	165
B0500CFDCG13SE	20"	500	390	480	229	234	715	650	609	187
B0600CFDCG13SE	24"	600	495	562	267	272	840	770	720	270



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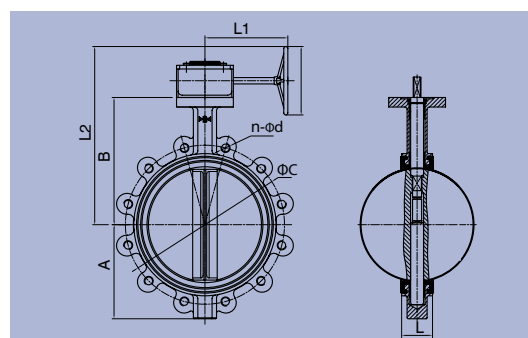
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BLGX Series Lug Butterfly Valve
PN16 Lugged Concentric Disc



Features and benefits:

- Lug pattern design, safety for high pressure application.
- O-ring stem sealing, low torque operation.
- Streamlined stainless steel disc, lower water head lost.
- ISO top flange standard, easy to assemble actuators.
- Bi-directional shut-off seat.
- Electrostatically applied Akzo Nobel epoxy powder internally and externally.
- Both gear operated and lever operated are available.



Lug Type Concentric Butterfly Valve - BLGX

NO	Size	DN	A	B	L	L1	L2	ØC	ØD	n-Ød	kg	Europe Code	Other Code
28101270003	2"	50	62	141	43	155	231	125	125	4-M16	3.6	B0050CLCNG20SE	B0050CLCNG20SO
28101280003	2 1/2"	65	72	153	46	155	243	145	125	4-M16	4.2	B0065CLCNG20SE	B0065CLCNG20SO
28101280007	3"	80	87	161	46	155	251	160	125	8-M16	4.9	B0080CLCNG20SE	B0080CLCNG20SO
28101280011	4"	100	106	178	52	155	268	180	125	8-M16	5.6	B0100CLCNG20SE	B0100CLCNG20SO
28101290003	5"	125	123	193	56	155	283	210	125	8-M16	9.9	B0125CLCNG20SE	B0125CLCNG20SO
28101290007	6"	150	138	204	56	155	294	240	125	8-M20	11.5	B0150CLCNG20SE	B0150CLCNG20SO
28101290011	8"	200	173	247	60	170	375	295	200	12-M20	17.8	B0200CLCNG20SE	B0200CLCNG20SO
28101290015	10"	250	207	280	68	170	408	355	200	12-M24	30.1	B0250CLCNG20SE	B0250CLCNG20SO
28101290019	12"	300	250	324	78	170	477	410	250	12-M24	46.6	B0300CLCNG20SE	B0300CLCNG20SO
28101290023	14"	350	267	368	78	201	559	470	300	16-M24	90.3	B0350CLCNG20SE	B0350CLCNG20SO
28101290027	16"	400	312	400	102	201	591	525	300	16-M27	114.0	B0400CLCNG20SE	B0400CLCNG20SO
28101290031	18"	450	330	425	114	189	667	585	400	20-M27	142.0	B0450CLCNG20SE	B0450CLCNG20SO
28101290035	20"	500	363	485	127	189	727	650	400	20-M30	160.0	B0500CLCNG20SE	B0500CLCNG20SO
281012A0003	24"	600	459	565	154	230	863	770	500	20-M33	228.0	B0600CLCNG20SE	B0600CLCNG20SO

Applicable Standards:

Design standard: EN 593, BS 5155

Connection standard: suit for EN1092-2

Face to face according to EN 558-1 basic series 20

Top flange standard: ISO5211/1

Technical Data:

Size: DN50 ~ DN600(2" ~ 24")

Nominal pressure: PN 16

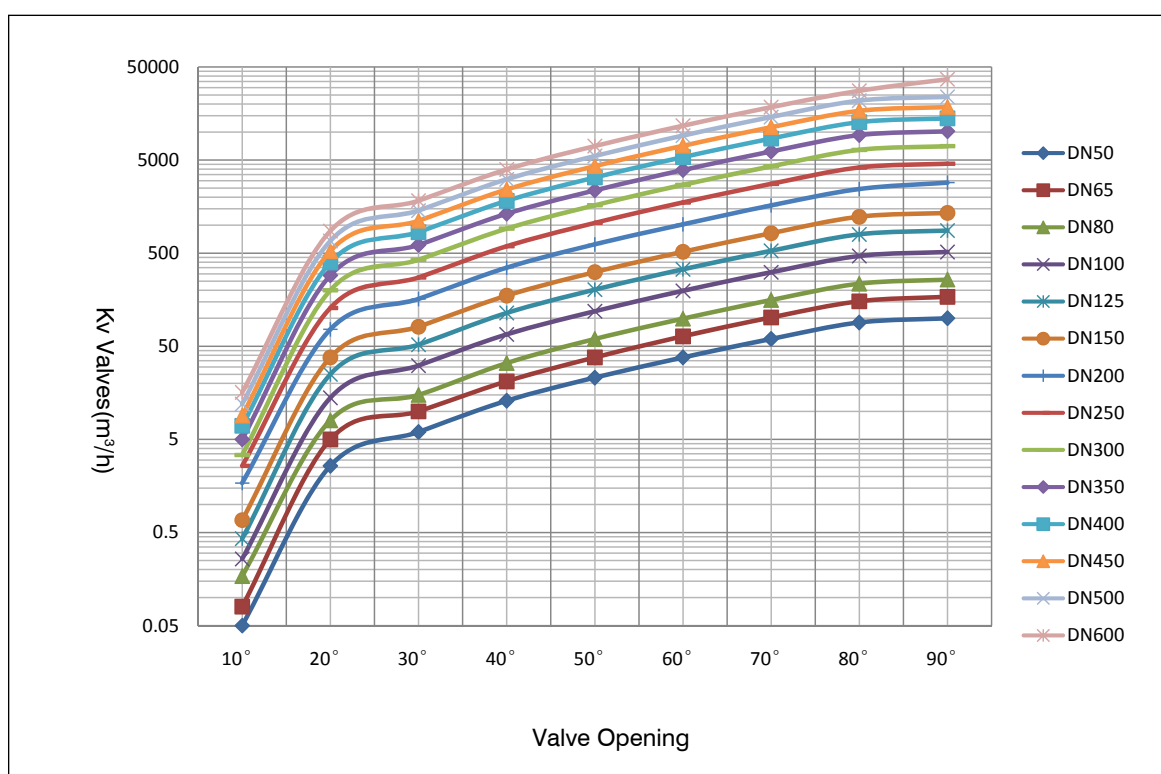
Temperature range: -10 ~ 90°C

Suitable for: Water and neutral liquids

Materials Specifications

No.	Component	Material
1	Body	Ductile Iron JS1040
2	Disc	Option1: Ductile Iron with Epoxy Coating Option2: Stainless Steel SS304 Option3: Al-Bronze
3	Stem	Stainless Steel SS420
4	Seat	EPDM
5	O- ring	EPDM

Opening - KV Value Curve

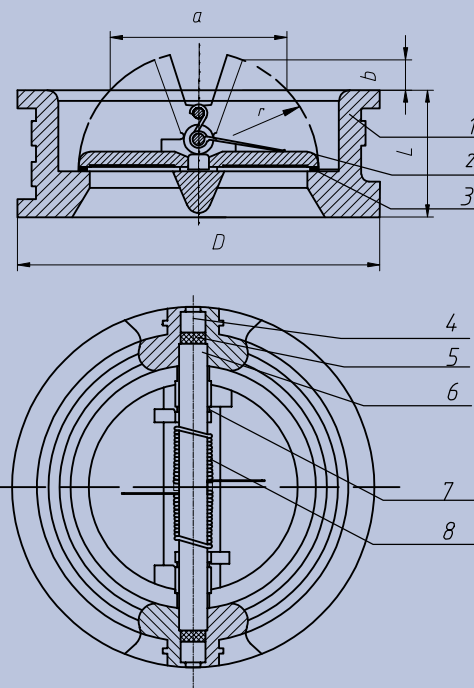


*Conex|Bänninger products are approved by numerous Standards Authorities and Certification Bodies. For more details on this product range, please email our technical team at: technical@ibpgroup.com.

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Conex | Bänninger

Industrial Valves



Valves Range

CVDD Dual Plate Check Valve PN16 Flanged

No	Component	Material
1	Body	Ductile Iron GGG40
2	Disc	SS304
3	Seat	EPDM
4	Screw	Steel Q 235
5	Sealing	EPDM
6	Stem	SS420
7	Gasket	PTFE
8	Spring	1Cr17Mn6Ni5N

Applicable Standards

Connection standard:
BS EN 1092-2

Pressure test standard:
BS EN 12266-2003

Face to face standard:
BS EN558: 2008

Technical Data

Size: DN50~DN300 (2"~12")

Nominal pressure: PN 16

Temperature range: 10°C~80°C

Suitable for: Water

Features and Benefits

- Designed with a spring-torque control to increase disc response and reduce the effects of water hammer damage.
- Suitable for horizontal and vertical installation.
- Suitable for water application.
- Available in sizes 2-12".
- Designed with quality cast iron material.
- Designed and manufactured in accordance with BS EN 1092-2.
- Compact and structurally designed.
- Available with a high temperature vulcanization sealing ring.

CVDD - Dual Plate Check Valve

Europe Code	Size	DN	L	D	D1	D2	R	t	Weight (kg)
C0050CWCMN16SE	2"	50	43	107	65	43.3	28.8	19	2.32
C0065CWCMN16SE	2 1/2"	65	46	127	80	60.2	36.1	20	3.06
C0080CWCMN16SE	3"	80	64	142	94	66.4	43.4	28	4.90
C0100CWCMN16SE	4"	100	64	162	117	90.8	52.8	27	6.30
C0125CWCMN16SE	5"	125	70	192	145	116.9	65.7	33	8.80
C0150CWCMN16SE	6"	150	76	218	170	144.6	78.6	50	11.1
C0200CWCMN16SE	8"	200	89	273	224	198.2	104.4	43	19.2
C0250CWCMN16SE	10"	250	114	328	265	233.7	127	45	33.2
C0300CWCMN16SE	12"	300	114	378	310	283.9	148.3	52	48.0

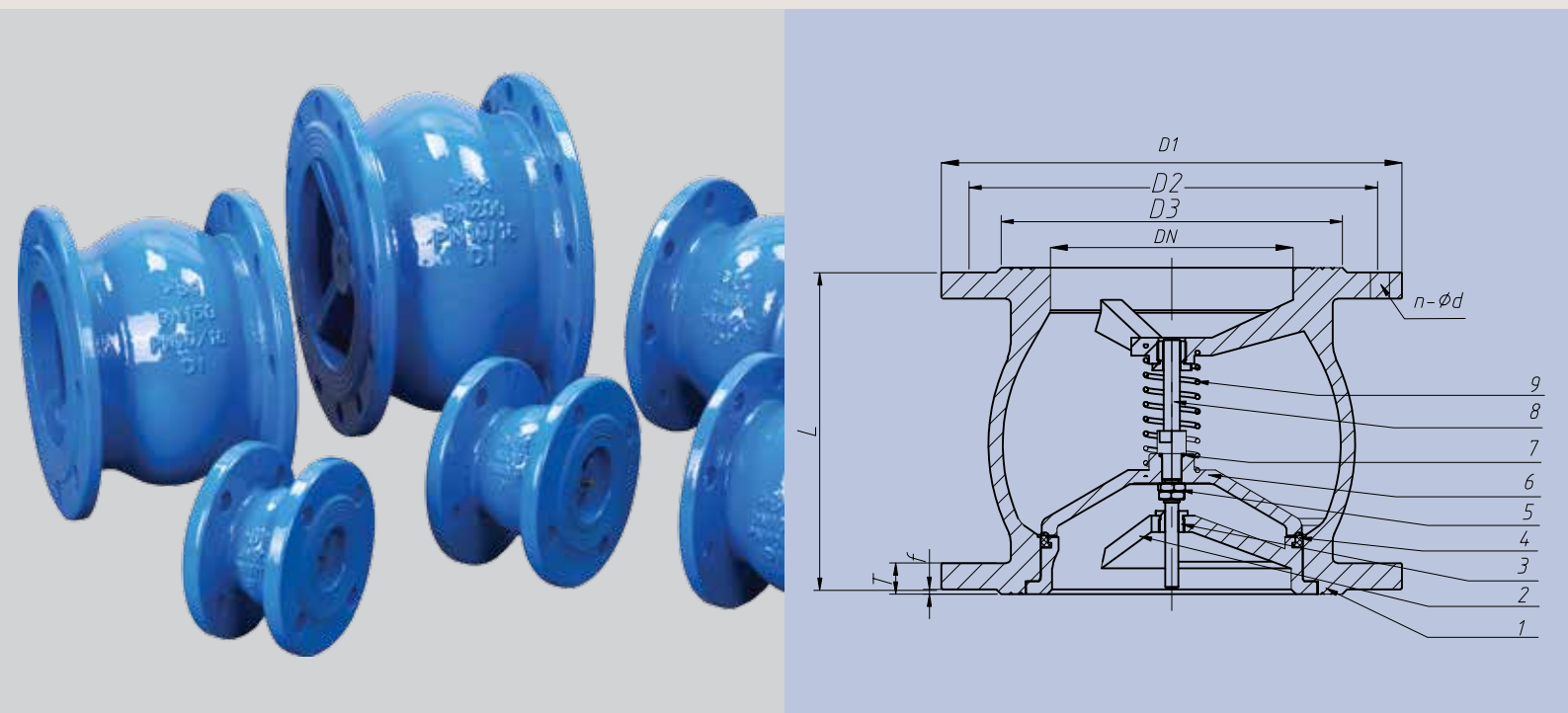


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Conex | Bänninger

Industrial Valves



Valves Range

CVDR Non Slam Silence Check Valve PN16 Flanged

No	Component	Material
1	Body	Ductile iron GGG40
2	Seat	Ductile iron GGG40
3	Bushing	Brass
4	Sealing	EPDM
5	Nut	SS304
6	Disc	Ductile iron GGG40
7	O-Ring	EPDM
8	Stem	SS420
9	Spring	SUS304

Applicable Standards

Connection standard:
BS EN 1092-2

Pressure test standard:
BS EN 12266-2003 & API598

Face to face standard:
BS EN558-1 Series1

Technical Data

Size: DN50~DN250 (2"~10")

Nominal pressure: PN 16

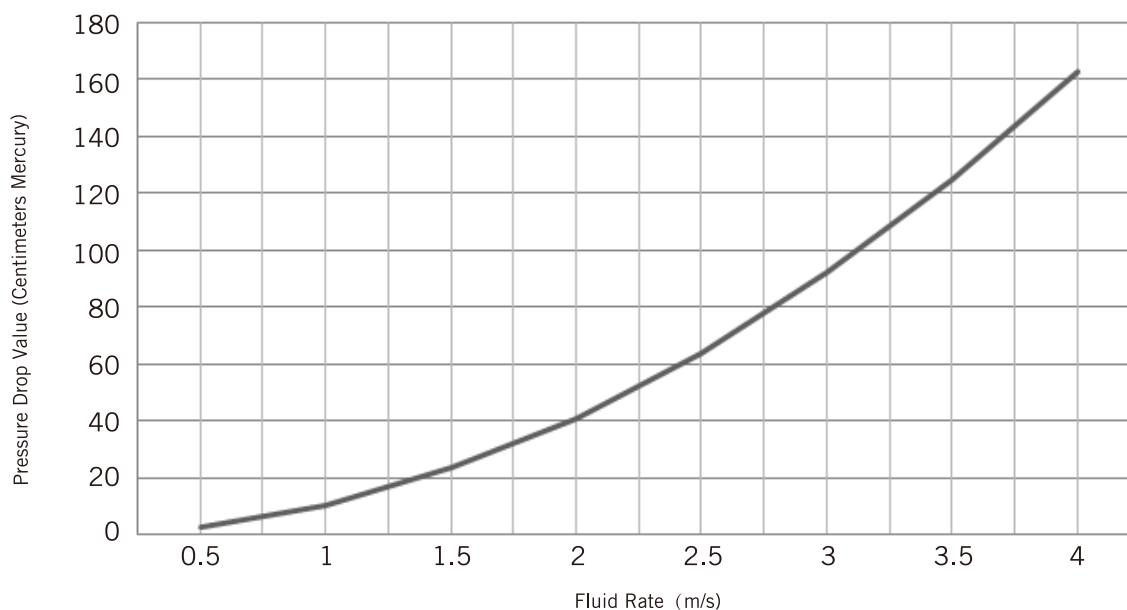
Temperature range: 0°C ~ 80°C

Suitable for: Water and neutral liquids

Features and Benefits

- Spring assisted axial stops the disc from slamming shut preventing water hammer.
- Manufactured with a spring assisted axial for easy forward flow.
- Designed for the prevention of back flow.
- Configured in a vertical or horizontal position.
- Available with a resilient seated sealing for zero leakage.
- Available in sizes 2-10".
- Suitable for water and neutral applications.
- Available with a non-toxic epoxy powder coating.

Pressure Drop Graph



CVDR - Non Slam Check Valve

Europe Code	Size	DN	L	D	D1	T	N-d	Weight (kg)
C0050CFDMN01DE	2"	50	100	165	125	19	4-19	6.0
C0065CFDMN01DE	2 1/2"	65	120	185	145	19	4-19	7.5
C0080CFDMN01DE	3"	80	140	200	160	19	8-19	9.3
C0100CFDMN01DE	4"	100	160	220	180	19	8-19	12.4
C0125CFDMN01DE	5"	125	180	250	210	19	8-19	16.4
C0150CFDMN01DE	6"	150	200	285	240	19	8-23	23.5
C0200CFDMN01DE	8"	200	220	340	295	20	12-23	36.3
C0250CFDMN01DE	10"	250	280	405	355	22	12-28	62.7

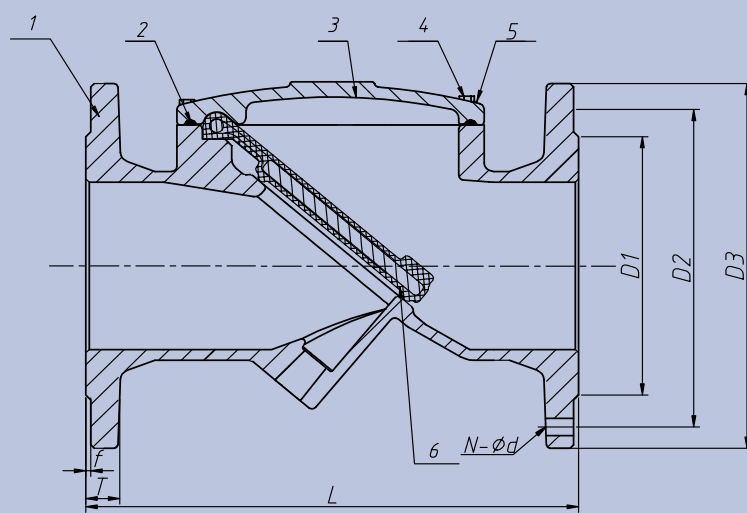


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Conex | Bänninger

Industrial Valves



Valves Range

CVSF Flex Swing Check Valve PN16 Flanged

No	Component	Material
1	Body	Ductile Iron GGG40
2	Gasket	EPDM
3	Cover	Ductile iron GGG40
4	Bolt	C.S. + Zinc
5	Washer	C.S. + Zinc
6	Disc	C.S. Fully Vulcanised EPDM

Applicable Standards

Connection standard:
BS EN 1092-2
Pressure test standard:
BS EN 12266-2003
Face to face standard:
BS EN558 2008

Technical Data

Size: DN50~DN300 (2"~12")
Nominal pressure: PN 16
Temperature range: 0°C~80°C
Suitable for: Water

Features and Benefits:

- Available in sizes 2-12"
- Resistant to corrosion.
- Aesthetically designed and constructed.
- 15° sealing angle to ensure low pressure.
- Suitable for water applications.
- Designed with quality ductile iron material.
- Unrestricted flow area for improved flow characteristics and low head loss.
- Designed with an integral EPDM O-ring for low and high pressure installation.
- Designed with an electrostatic Akzo Nobel epoxy powder internally and externally.

CVSF - Flex Swing Check Valve							
Europe Code	Size	DN	L	D	D1	n-d	Weight (kg)
C0050CFDMN10DE	2"	50	203	165	125	4-19	11.0
C0065CFDMN10DE	2 1/2"	65	216	185	145	4-19	12.2
C0080CFDMN10DE	3"	80	241	200	160	8-19	15.0
C0100CFDMN10DE	4"	100	292	220	180	8-19	20.0
C0125CFDMN10DE	5"	125	292	250	210	8-19	25.7
C0150CFDMN10DE	6"	150	356	285	240	8-23	39.7
C0200CFDMN10DE	8"	200	495	340	295	8-23	74.0
C0250CFDMN10DE	10"	250	622	405	355	12-28	102.3
C0300CFDMN10DE	12"	300	698	460	410	12-28	149.2

* Available in PN10 or PN25, please contact our sales team for further details.

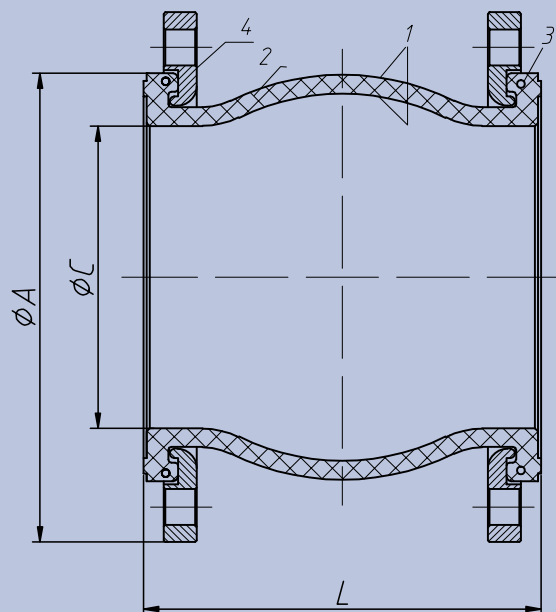


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Industrial Valves



Valves Range

S10 Single Ball Rubber Expansion Joint PN16 Flanged

No	Component	Material
1	Body	Reinforce EPDM
2	Reinforce Material	Nylon Wire
3	Reinforce Material	Steel Wire
4	Flange	Carbon Steel + Zinc Coating

Applicable Standards

Connection standard: GB/T17241.6-1998

Pressure test standard: GB/T13927

Face to face standard: GB/T12221

Technical Data

Size: DN25~DN600 (1"~24")

Nominal pressure: PN16

Temperature range: 0°C~80°C

Suitable for: Water & sea water systems

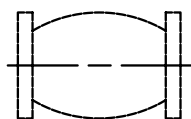
Burst test pressure: 60Kgf/cm² (DN50 DN200),
40Kgf/cm² (DN250 DN600)

Features and Benefits:

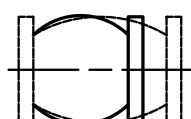
- Available in sizes 2"-24".
- Suitable for water applications systems
- Manufactured with a flexible steel and zinc plated material.
- Designed with a high quality rubber for high impact resistance.
- No influence on product tensile strength during high pressure flows.
- Manufactured with a high quality steel ring material.

S10 - Expansion Joint

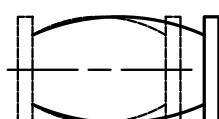
Europe Code	DN	φD	L	Weight (kg)
J0050CFMMNMSSE	50	2"	105	4.8
J0065CFMMNMSSE	65	2 1/2"	115	5.6
J0080CFMMNMSSE	80	3"	130	6.8
J0100CFMMNMSSE	100	4"	135	7.8
J0125CFMMNMSSE	125	5"	170	11.1
J0150CFMMNMSSE	150	6"	180	12.8
J0200CFMMNMSSE	200	8"	205	15.9
J0250CFMMNMSSE	250	10"	240	18.9
J0300CFMMNMSSE	300	12"	260	21.5
J0350CFMMNMSSE	350	14"	265	25.7
J0400CFMMNMSSE	400	16"	265	30.1
J0450CFMMNMSSE	450	18"	265	36.1
J0500CFMMNMSSE	500	20"	265	43.2
J0600CFMMNMSSE	600	24"	265	50.8



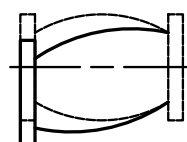
Normal position



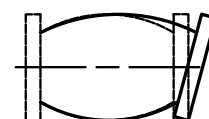
Compression



Elongation



Transverse movement



Angular movement

S10 - Specifications - unit: mm

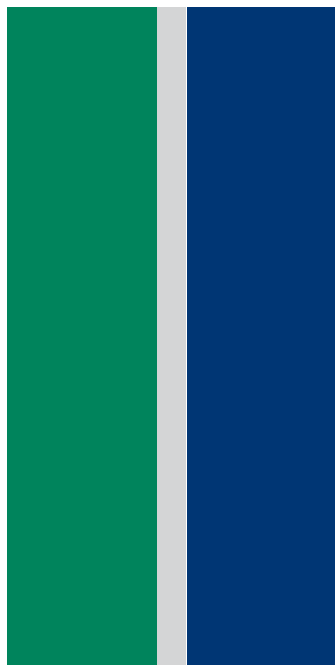
DN	Axial Compression	Axial Extension	Transversal Deflection	Angle Deflection	Max Pressure	Max Temperature	Vacuum Level
50	8	6	8	15°	10 (150)	104 (220)	660 (26.40)
65	12	6	10	15°	10 (150)	104 (220)	660 (26.40)
80	12	10	10	15°	10 (150)	104 (220)	660 (26.40)
100	18	10	12	15°	10 (150)	104 (220)	660 (26.40)
125	18	10	12	15°	10 (150)	104 (220)	660 (26.40)
150	18	14	12	15°	10 (150)	104 (220)	660 (26.40)
200	25	14	22	15°	10 (150)	104 (220)	660 (26.40)
250	25	14	22	15°	10 (150)	104 (220)	660 (26.40)
300	25	16	22	15°	10 (150)	104 (220)	660 (26.40)
350	25	16	22	15°	7 (105)	104 (220)	660 (26.40)
400	25	16	22	15°	7 (105)	104 (220)	660 (26.40)
450	25	16	22	15°	7 (105)	104 (220)	660 (26.40)
500	25	16	22	15°	7 (105)	104 (220)	660 (26.40)
600	25	16	22	15°	7 (105)	104 (220)	660 (26.40)



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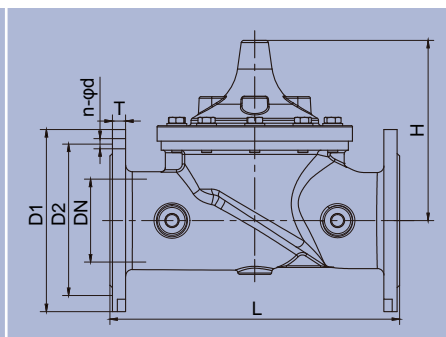
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A100 ACV Series Floating Control Valve PN16 Floating Ball Liquid Level Control Type



Features and Benefits:

- Automatic control valve, running by itself.
- One complete combined disc, easy for maintenance.
- Diaphragm type, quick response against pressure change.
- Big inner chamber, avoid noise by cavitations and reduce static pressure.
- Main body and floating ball split installation.



Floating Control Valve - A100 unit: mm

No	Size	DN	D1	D2	T	n-φd	L	H	Weight (kg)
28141170005	2"	50	165	125	19	4-19	230	152	12.5
28141180004	2 1/2"	65	185	145	19	4-19	290	172	16.5
28141180005	3"	80	200	160	19	8-19	310	182	20.0
28141180006	4"	100	220	180	19	8-19	350	218	30.0
28141190005	5"	125	250	210	19	8-19	400	240	41.0
28141190006	6"	150	285	240	19	8-23	480	275	56.0
28141190007	8"	200	340	295	20	12-23	600	329	101.0
28141193002	10"	250	405	355	22	12-28	622	418	251.0
28141194002	12"	300	460	410	25	12-28	698	503	315.0
28141195002	14"	350	520	470	27	16-28	787	580	426.0
28141196002	16"	400	580	525	28	16-31	914	639	551.0

Applicable Standards:

Flange standard: BS EN 1092-2

Face to face standard: EN558 Series 10

Technical Data:

Size: DN50 ~ DN400 (2" ~ 16")

Nominal pressure: PN 16

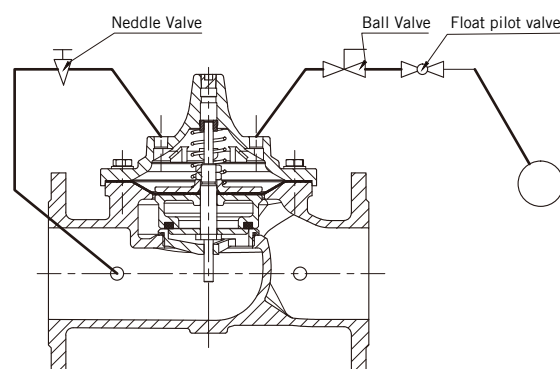
Temperature range: 0°C ~ 85°C

Suitable for: Water and neutral liquids

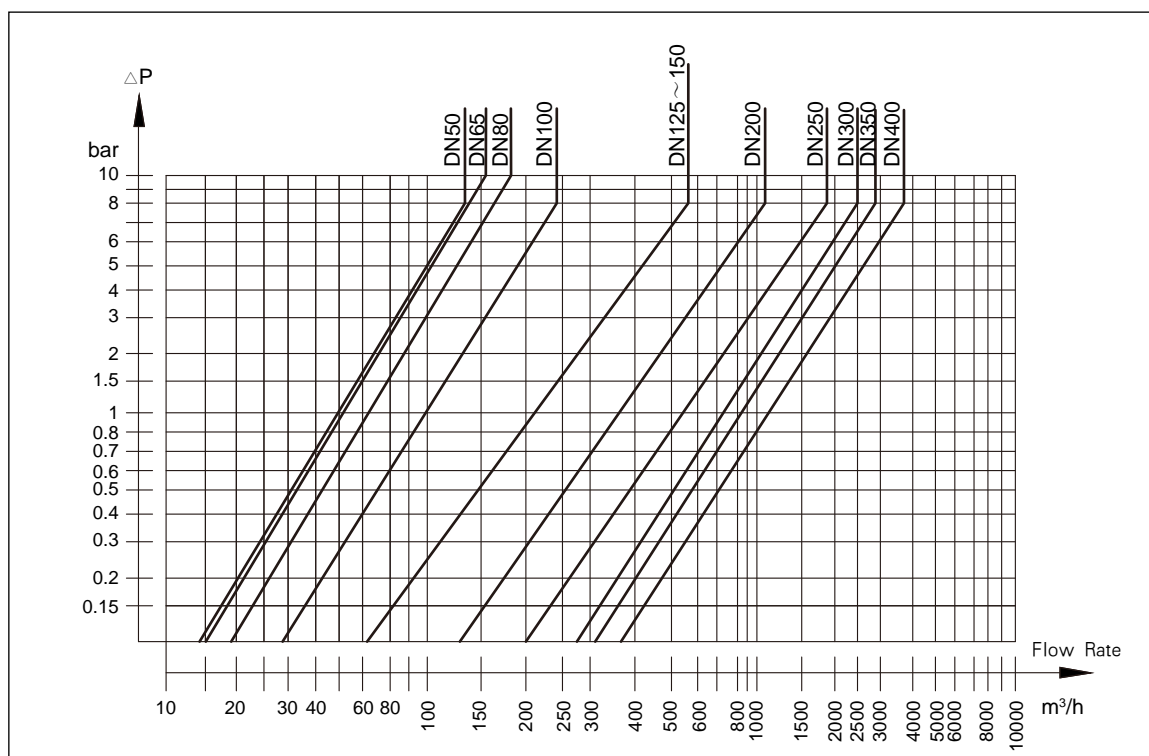
Materials Specifications

Component	Material
Body	Ductile Iron JS1040
Bonnet	Ductile Iron JS1040
Seat (DN50-100)	SS304
Seat (DN125-400)	Al-Bronze
O- ring	Rubber, EPDM
Diaphragm	Reinforce Rubber with Nylon
Disc	Ductile Iron JS1040

Drawing



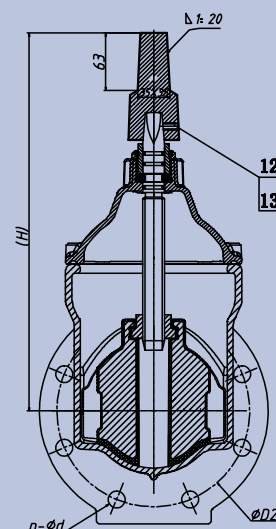
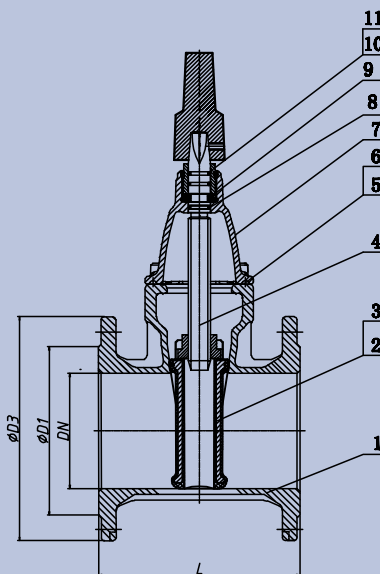
Pressure Drop Curve (Main Valve Fully Open)



*Conex|Bänninger products are approved by numerous Standards Authorities and Certification Bodies. For more details on this product range, please email our technical team at: technical@ibpgroup.com.

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Industrial Valves



Valves Range

RVCX - Resilient Seated Gate Valve PN16 Flange

No	Component	Material
1	Body	Ductile iron GGG40
2	Gate	Ductile iron GGG40, core fully encapsulated with EPDM rubber
3	Stem Nut	Brass CZ132
4	Stem	Stainless steel 316L
5	Bonnet Bolt	Stainless steel 316
6	Bonnet Sealing	EPDM Rubber
7	Bonnet	Ductile iron GGG50
8	O-ring	NBR Rubber
8	Thrust Collar	Brass CZ132
9	Gate Bearing	Brass CW614
10	O-ring	NBR Rubber
12	Cap	Ductile iron GGG50
13	Bolt	Stainless Steel 316

Applicable Standards

Flanges comply with BS EN 1092-2

Valves comply with BS 5163

Face to face to BS EN 558-1 base series 3

Pressure test with BS EN12266-2003

Technical Data

Size: DN50~DN300 (2"~12")

Nominal pressure: PN 16

Temperature range: 0°C~80°C

Suitable for: Water and neutral liquids

Features and Benefits:

- WRAS approved.
- Available in sizes 2-12".
- Suitable for water and neutral liquids.
- Designed to reduce friction and torque with a unique plastic guide rail.
- Designed with quality ductile iron material.
- Manufactured with 3 O-ring sealants for zero leakage.
- Constructed with a fully vulcanized wedge and corrosion resistant.
- Designed with an electrostatic Akzo Nobel epoxy powder internally and externally.
- Designed and manufactured in accordance with BS 5163
- Designed with a non rising stem to save installation space.
- Available with a stem cap for buried application.
- T-Key operated.

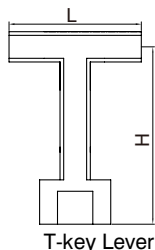
RVCX - Resilient Seated Gate Valve

Europe Code	Size	DN	L	H1	D1	D2	D3	n-φd	Weight (kg)
G0050CFDBT03DE	2"	50	178	325	99	125	165	4-19	8.6
G0065CFDBT03DE	2 1/2"	65	190	360	118	145	185	4-19	11.5
G0080CFDBT03DE	3"	80	203	390	132	160	200	8-19	14
G0100CFDBT03DE	4"	100	229	430	156	180	220	8-19	18.3
G0125CFDBT03DE	5"	125	254	460	184	210	250	8-19	22
G0150CFDBT03DE	6"	150	267	540	211	240	285	8-23	30
G0200CFDBT03DE	8"	200	292	600	266	295	340	12-23	46.5
G0250CFDBT03DE	10"	250	330	740	319	355	405	12-28	78
G0300CFDBT03DE	12"	300	356	800	370	410	460	12-28	110.5

Torques (Testing at 1.1PN Pressure) unit: N.m

Nominal Diamater	Nominal Pressure PN1.6MPa	Nominal Pressure PN1.6MPa
DN	Standard Torque	Standard Torque
50	50	50
65	60	60
80	75	75
100	100	100
125	125	125
150	150	150
200	200	200
250	250	250
300	300	300
350	325	325
400	350	350
450	155	155
500	170	170
600	235	235

Note: The product testing torque is smaller than the standard requirement, easier to be operated.



T-key operated:

The stem square head is designed according BS5163, please check the T-key's dimension before you used it, and according to below suggested dimensions to running the valve, to avoid overload torque to destroy the valve.

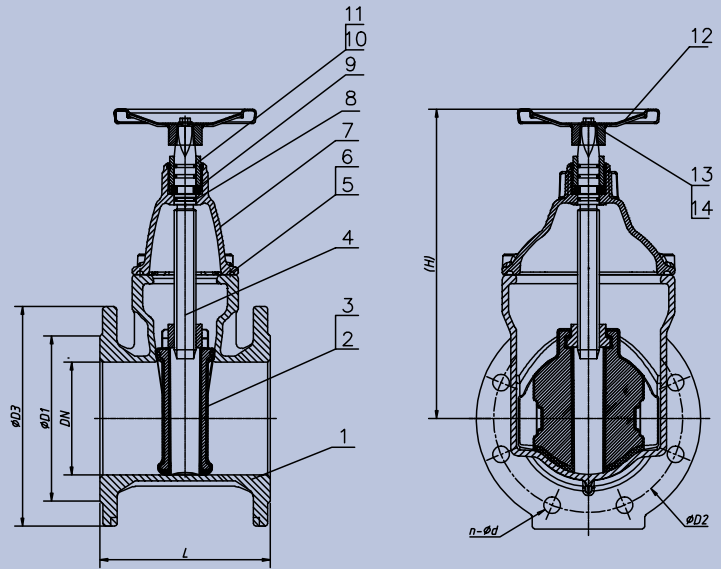
Nominal Diamater	DN50 DN200	DN250 DN600
T-key lever length L	≤300mm	≤550mm
T-key lever height H	≤1000mm	≤1000mm



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Conex | Bänninger Industrial Valves



Valves Range

RVHX F4 - Resilient Seated Gate Valves PN16 Flanged

No	Component	Material
1	Body	Cast iron GGG40
2	gate	Cast iron GGG40, core fully encapsulated with EPDM rubber
3	Stem nut	Brass CW614
4	Stem	Stainless steel 1.4021
5	Bonnet bolt	Zinc coated steel 8.8 sealed with hot melt
7	Bonnet	Cast iron GGG40
8	O-ring	EPDM rubber
9	Thrust collar	Brass CW614
10	Gate bearing	Brass CW614
11	O-ring	EPDM rubber
12	Handwheel	Steel plate punch forming
13	Bolt	Zinc coated steel 8.8 sealed with hot melt
14	Washer	Zinc coated steel sealed with hot melt

Notes: The valve will be operated by a handwheel, the standard direction of opening is counter-clockwise as viewed from the top of the valve.

Applicable Standards

Flanges comply with BS EN 1092-2.
Valves comply with DIN 3352-4
Face to face to DIN 3202 F4
Pressure test with BS EN12266-2003

Technical Data

Size: DN50~DN300 (2"~12")
Nominal pressure: PN 16
Temperature range: 0°C~80°C
Suitable for: Water and neutral liquids

Specification:

- WRAS approved.
- Available in sizes 2-12".
- Suitable for water and neutral liquids.
- Designed to reduce friction and torque with a unique plastic guide rail.
- Designed with quality ductile iron material.
- Manufactured with 3-O ring sealants for zero leakage.
- Constructed with a fully vulcanized wedge and corrosion resistant.
- Designed with an electrostatic Akzo Nobel epoxy powder internally and externally.
- Designed and manufactured in accordance with DIN 3352-4.
- Designed with a non rising stem to save installation space.
- Handwheel opeated.

RVHX F4 - Resilient Seated Gate Valves

Europe Code	Size	DN	L	D1	D2	D3	n-φd	Weight (kg)
G0050CFD4H14DE	2"	50	150	99	125	165	4-19	7.6
G0065CFD4H14DE	2 1/2"	65	170	118	145	185	4-19	10.5
G0080CFD4H14DE	3"	80	180	132	160	200	8-19	13
G0100CFD4H14DE	4"	100	190	156	180	220	8-19	17.3
G0125CFD4H14DE	5"	125	200	184	210	250	8-19	21
G0150CFD4H14DE	6"	150	210	211	240	285	8-23	29
G0200CFD4H14DE	8"	200	230	266	295	340	12-23	45.5
G0250CFD4H14DE	10"	250	250	319	355	405	12-28	75.4
G0300CFD4H14DE	12"	300	270	370	410	460	12-28	106

Torques (Testing at 1.1PN Pressure) unit: N.m

Nominal Diamater	Nominal Pressure PN1.6MPa	Nominal Pressure PN1.6MPa
DN	Standard Torque	Testing Torque
50	50	40
65	60	50
80	75	60
100	100	80
125	125	100
150	150	120
200	200	160
250	250	200
300	300	240
350	325	260
400	350	280
450	155	125
500	170	135
600	235	185

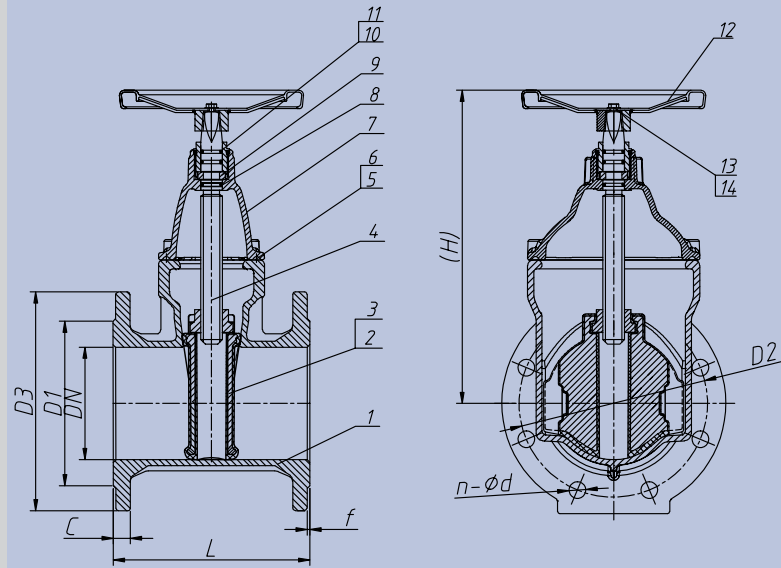
Note: The product testing torque is smaller than the standard requirement, easier to operated.



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Conex | Bänninger Industrial Valves



Valves Range

RVHX F5 - Resilient Seated Gate Valve PN16 Flange

No	Component	Material
1	Body	Cast iron GGG40
2	gate	Cast iron GGG40, core fully encapsulated with EPDM rubber
3	Stem nut	Brass CW614
4	Stem	Stainless steel 1.4021
5	Bonnet bolt	Zinc coated steel 8.8 sealed with hot melt
7	Bonnet	Cast iron GGG40
8	O-ring	EPDM rubber
9	Thrust collar	Brass CW614
10	Gate bearing	Brass CW614
11	O-ring	EPDM rubber
12	Handwheel	Steel plate punch forming
13	Bolt	Zinc coated steel 8.8 sealed with hot melt
14	Washer	Zinc coated steel sealed with hot melt

Applicable Standards

Flanges comply with BS EN 1092-2.

Valves comply with DIN 3352-4

Face to face to DIN 3202 F5

Pressure test with BS EN12266-2003

Technical Data

Size: DN50~DN300 (2"~12")

Nominal pressure: PN16

Temperature range: 0°C~80°C

Suitable for: Water and neutral liquids

Features and Benefits:

- WRAS approved.
- Available in sizes 2-12".
- Suitable for water and neutral liquids.
- Designed to reduce friction and torque with a unique plastic guide rail.
- Designed with quality ductile iron material.
- Manufactured with 3 O-ring sealants for zero leakage.
- Constructed with a fully vulcanized wedge and corrosion resistant.
- Designed with an electrostatic Akzo Nobel epoxy powder internally and externally.
- Designed and manufactured in accordance with DIN 3352-4.
- Designed with a non rising stem to save installation space.
- Handwheel operated

RVHX F5 - Resilient Seated Gate Valve

Europe Code	Size	DN	L	D1	D2	D3	n-φd	Weight (kg)
G0050CFD4H15DE	2"	50	250	99	125	165	4-19	10.6
G0065CFD4H15DE	2 1/2"	65	270	118	145	185	4-19	13.5
G0080CFD4H15DE	3"	80	280	132	160	200	8-19	16
G0100CFD4H15DE	4"	100	300	156	180	220	8-19	20.3
G0125CFD4H15DE	5"	125	325	184	210	250	8-19	24
G0150CFD4H15DE	6"	150	350	211	240	285	8-23	32
G0200CFD4H15DE	8"	200	400	266	295	340	12-23	48.5
G0250CFD4H15DE	10"	250	450	319	355	405	12-28	82
G0300CFD4H15DE	12"	300	500	370	410	460	12-28	114.5

Torques (Testing at 1.1PN Pressure) - unit: N.m

Nominal Diameter	Nominal Pressure PN1.6MPa	Nominal Pressure PN1.6MPa
DN	Standard Torque	Testing Torque
50	50	40
65	60	50
80	75	60
100	100	80
125	125	100
150	150	120
200	200	160
250	250	200
300	300	240
350	325	260
400	350	280
450	155	125
500	170	135
600	235	185

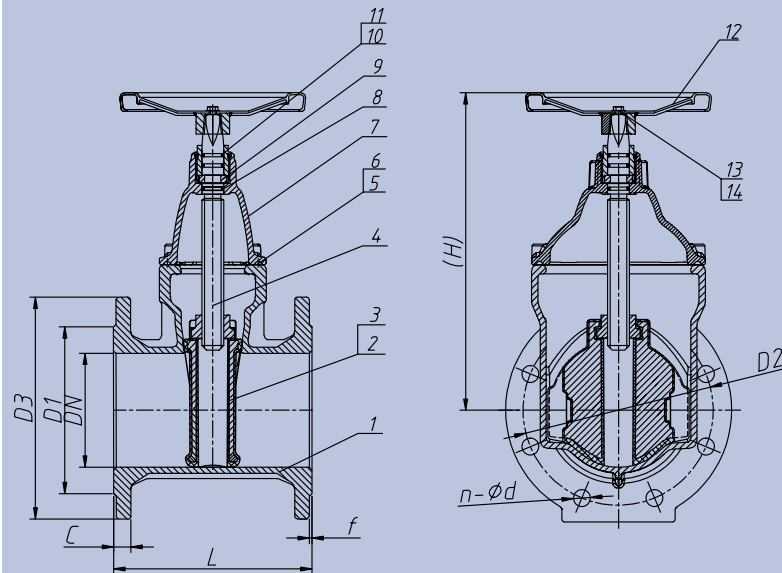


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Industrial Valves



Valves Range

RVHX - Resilient Seated Gate Valve PN16 Flange

No	component	Material
1	Body	Ductile Iron, GGG40
2	Wedge	DI Fully Vulcanized EPDM
3	Wedge Nut	Brass
4	Body	SS420
5	Bolt	Q235+ Zinc
6	Gasket	EPDM
7	Bonnet	Ductile Iron GGG40
8	O-Ring	EPDM
9	Bearing	Brass
10	O-Ring	EPDM
11	Gland	Brass
12	Handwheel	Q235+ Epoxy Coating
13	Washer	Q235+ Zinc
14	Bolt	Q235+ Zinc

Applicable Standards:

Flanges comply with BS EN 1092-2.

Valves comply with BS 5163

Face to face to BS EN 558-1 base series 3

Pressure test with BS EN12266-2003

Technical Data

Size: DN50~DN600 (2"~24")

Nominal pressure: PN 16

Temperature range: 0°C ~ 80°C

Suitable for: Water and neutral liquids

Features and Benefits:

- WRAS approved
- Available in sizes 2-24"
- Suitable for water and neutral liquids
- Designed to reduce friction and torque with a unique plastic guide rail.
- Designed with quality ductile iron material
- Manufactured with 3 O-ring sealants for zero leakage
- Constructed with a fully vulcanized wedge and corrosion resistant
- Designed with an electrostatic Akzo Nobel epoxy powder internally and externally
- Designed and manufactured in accordance with BS 5163
- Handwheel operated.
- Designed with a non rising stem to save installation space.

RVHX - Resilient Seated Gate Valve

Europe Code	Size	DN	L	H1	D1	D2	D	n-φd	Weight (kg)
G0050CFDBH03DE	2"	50	178	220	99	125	165	4-19	8.6
G0065CFDBH03DE	2 1/2"	65	190	240	118	145	185	4-19	11.5
G0080CFDBH03DE	3"	80	203	290	132	160	200	8-19	14.0
G0100CFDBH03DE	4"	100	229	330	156	180	220	8-19	18.3
G0125CFDBH03DE	5"	125	254	375	184	210	250	8-19	22.6
G0150CFDBH03DE	6"	150	267	420	211	240	285	8-23	30.0
G0200CFDBH03DE	8"	200	292	500	266	295	340	12-23	46.5
G0250CFDBH03DE	10"	250	330	610	319	355	405	12-28	87.6
G0300CFDBH03DE	12"	300	356	720	370	410	460	12-28	110.5
G0350CFDBH03DE	14"	350	381	920	429	470	520	16-28	207.7
G0400CFDBH03DE	16"	400	406	940	480	525	580	16-31	215.8
G0450CFDBH03DE	18"	450	432	1150	548	585	640	20-31	387.0
G0500CFDBH03DE	20"	500	457	1350	609	650	715	20-34	438.0
G0600CFDBH03DE	24"	600	508	1500	720	770	840	20-37	621.0

Torques (Testing at 1.1PN Pressure) - unit: N.m

Nominal Diameter	Nominal Pressure PN1.6MPa	Nominal Pressure PN1.6MPa
DN	Standard Torque	Testing Torque
50	50	40
65	60	50
80	75	60
100	100	80
125	125	100
150	150	120
200	200	160
250	250	200
300	300	240
350	325	260
400	350	280
450	155	125
500	170	135
600	235	185

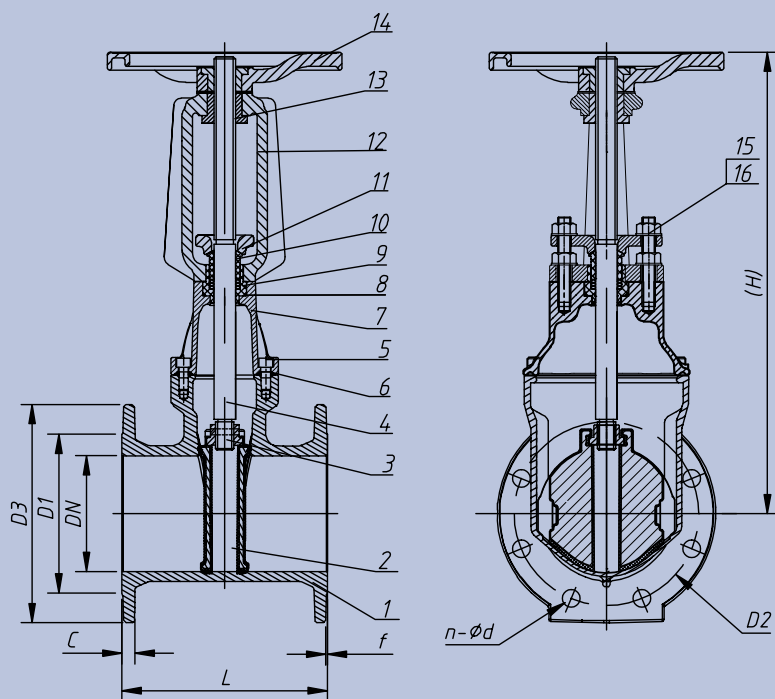


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Industrial Valves



Valves Range

RVRX - Resilient Seated Gate Valve PN16 Flange

No	Component	Material
1	Body	Ductile iron GGG40
2	Wedge	DI Fully Vulcanised EPDM
3	Wedge Nut	Brass
4	Stem	SS420
5	Bolt	Q235+Zinc
6	Gasket	EPDM
7	Bonnet	Ductile iron GGG40
8	Stuffing Box	Bylon
9	Packing	EPDM
10	Bushing	Brass
11	Gland	Ductile iron GGG40
12	York	Ductile iron GGG40
13	Driver Nut	Brass
14	Handwheel	Ductile iron GGG40
15	Washer	Q235+Zinc
16	Bolt	Q235+Zinc

Applicable Standards

Valves comply with BS EN 1171
 Flanges comply with BS EN 1092-2
 Face to face to BS EN 558-1 base series 3
 Pressure test with BS EN12266-2003

Technical Data

Size: DN50 DN300 (2"~12")
 Nominal pressure: PN 16
 Temperature range: 0~80°C
 Suitable for: Water and neutral liquids

Features and Benefits:

- WRAS approved.
- Available in sizes 2-12".
- Suitable for water and neutral liquids.
- Designed to reduce friction and torque with a unique plastic guide rail.
- Designed with quality ductile iron material.
- Manufactured with 3 O-ring sealants for zero leakage.
- Constructed with a fully vulcanized wedge and corrosion resistant.
- Designed with an electrostatic Akzo Nobel epoxy powder internally and externally.
- Designed and manufactured in accordance with BS EN 1171.
- Available with an external stem and yoke and visible on & off indicator.
- Handwheel operated.

RVRX - Resilient Seated Gate Valve

Europe Code	Size	DN	L	H(open)	H(close)	D1	D2	D	n-φd	Weight (kg)
G0050CFDEH03DE	2"	50	250	374	322	99	125	165	4-19	10.6
G0065CFDEH03DE	2 1/2"	65	270	398	332	118	145	185	4-19	14.5
G0080CFDEH03DE	3"	80	280	429	350	132	160	200	8-19	18.5
G0100CFDEH03DE	4"	100	300	524	420	156	180	220	8-19	22.3
G0125CFDEH03DE	5"	125	325	721	581	184	210	250	8-19	29
G0150CFDEH03DE	6"	150	350	736	581	211	240	285	8-23	36
G0200CFDEH03DE	8"	200	400	942	736	266	295	340	12-23	54.5
G0250CFDEH03DE	10"	250	450	1143	893	319	355	405	12-28	89
G0300CFDEH03DE	12"	300	500	1325	1022	370	410	460	12-28	118.5

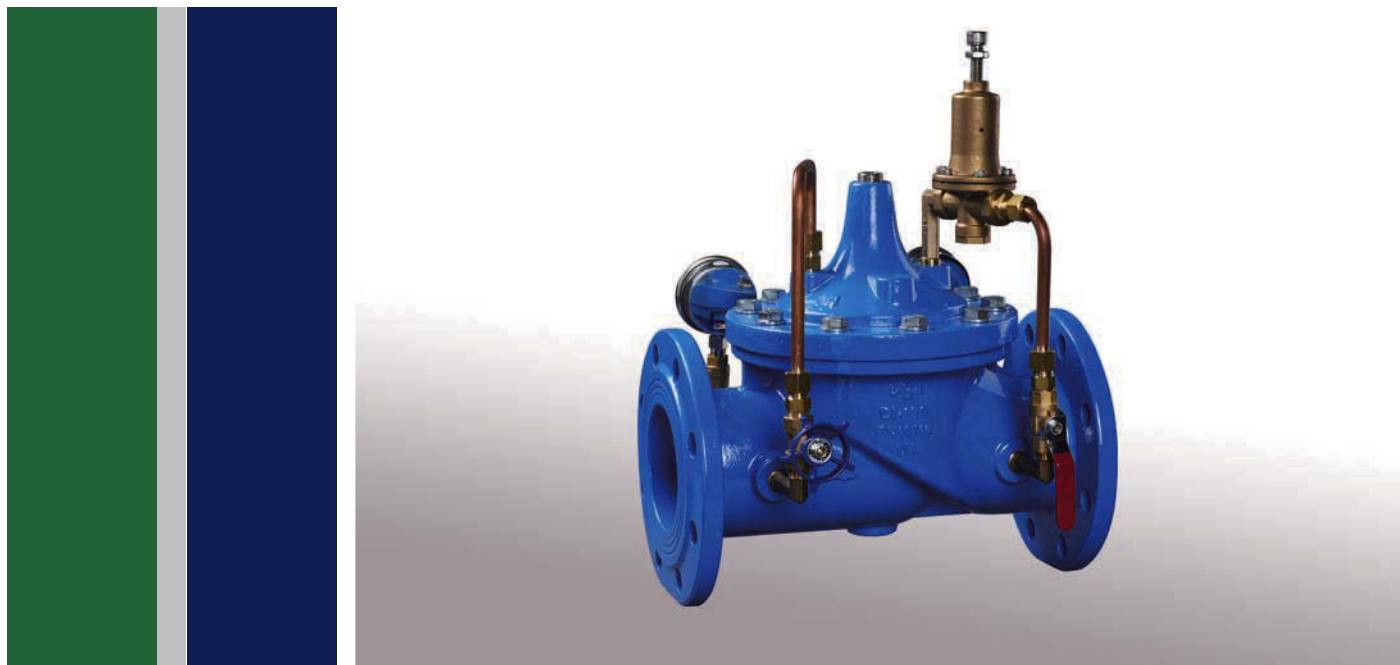
Torques (Testing at 1.1PN Pressure)- unit: N.m

Nominal Diamater	Nominal Pressure PN1.6MPa	Nominal Pressure PN1.6MPa
DN	Standard Torque	Testing Torque
50	50	40
65	60	50
80	75	60
100	100	80
125	125	100
150	150	120
200	200	160
250	250	200
300	300	240
350	325	260
400	350	280
450	155	125
500	170	135
600	235	185



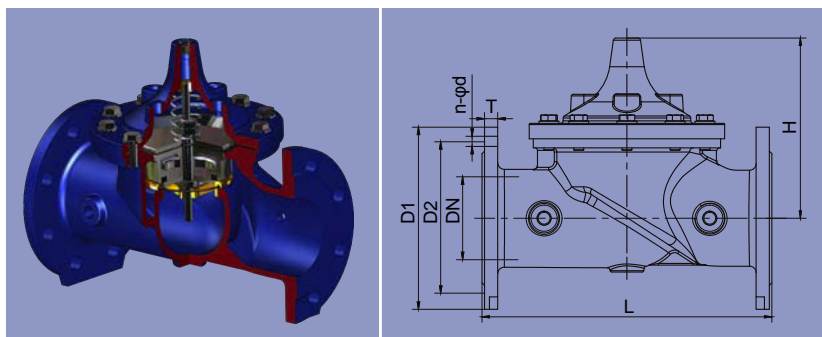
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Features and Benefits:

- Automatic control valve, running by itself.
- One complete combined disc, easy for maintenance.
- Diaphragm type; quick response against pressure change.
- Big inner chamber, avoid noise by cavitations and reduce static pressure.
- Inlet pressure balancing function, fluctuating inlet pressure doesn't influence outlet pressure.
- Stainless steel and bronze parts, corrosion resistant.
- Reinforced Nylon + EPDM diaphragm has long lift cycle.



Pressure Reducing Valve - A200

No	Size	DN	D1	D2	T	n-φd	L	H	Weight (kg)	Europe Code	Other Code
28141270004	2"	50	165	125	19	4-19	230	152	14.0	P0050CFDMN01SE	P0050CFDMN01SO
28141280006	2 1/2"	65	185	145	19	4-19	290	172	18.0	P0065CFDMN01SE	P0065CFDMN01SO
28141280007	3"	80	200	160	19	8-19	310	182	21.5	P0080CFDMN01SE	P0080CFDMN01SO
28141280008	4"	100	220	180	19	8-19	350	218	32.0	P0100CFDMN01SE	P0100CFDMN01SO
28141290004	5"	125	250	210	19	8-19	400	240	42.0	P0125CFDMN01SE	P0125CFDMN01SO
28141290005	6"	150	285	240	19	8-23	480	275	58.0	P0150CFDMN01SE	P0150CFDMN01SO
28141290007	8"	200	340	295	20	12-23	600	329	103.0	P0200CFDMN01SE	P0200CFDMN01SO
28141293002	10"	250	405	355	22	12-28	622	418	252.0	P0250CFDMN01SE	P0250CFDMN01SO
28141294002	12"	300	460	410	25	12-28	698	503	317.0	P0300CFDMN01SE	P0300CFDMN01SO
28141295002	14"	350	520	470	27	16-28	787	580	427.0	P0350CFDMN01SE	P0350CFDMN01SO
28141296002	16"	400	580	525	28	16-31	914	639	554.0	P0400CFDMN01SE	P0400CFDMN01SO

Applicable Standards:

Flange standard: BS EN 1092-2

Face to face standard: EN558 Series10

Technical Data:

Size: DN50 ~ DN400 (2" ~ 16")

Nominal pressure: PN 16

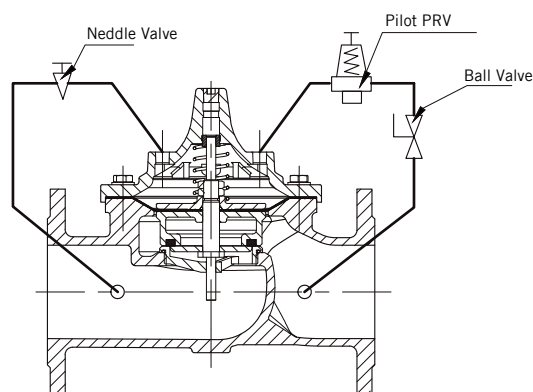
Temperature range: 0°C ~ 85°C

Suitable for: Water and neutral liquids

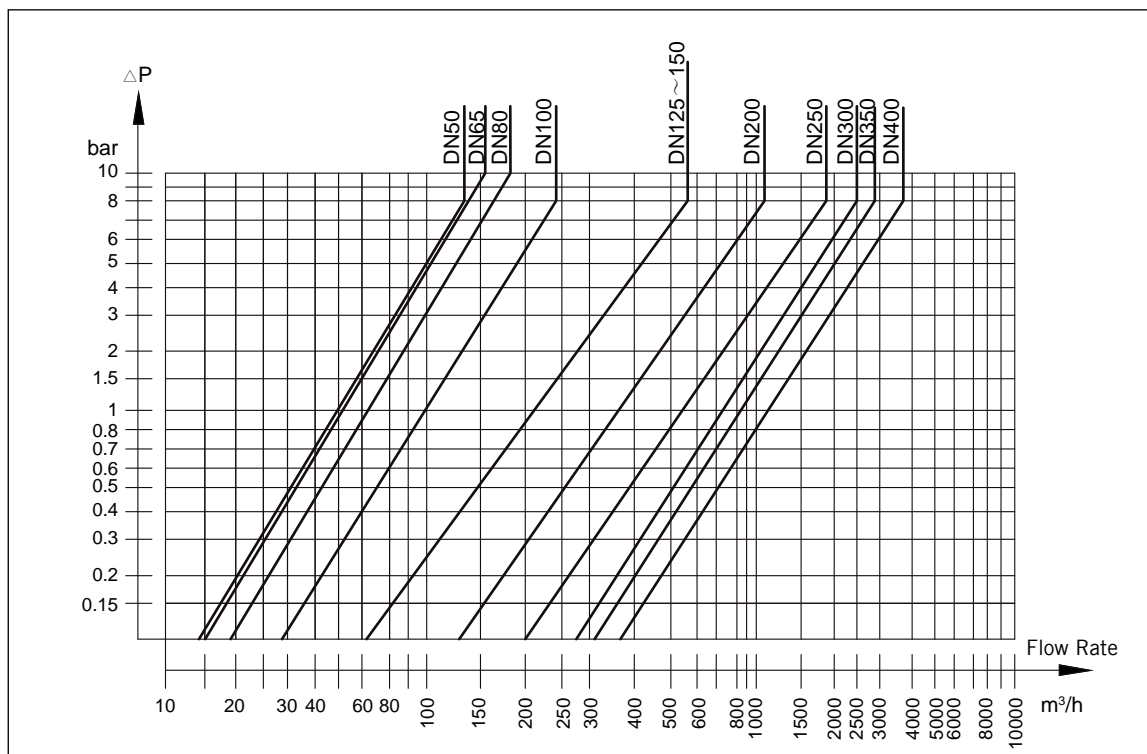
Materials Specifications

Component	Material
Body	Ductile Iron, EN- JS 1040
Bonnet	Ductile Iron, EN-JS 1040
Seat (DN50-100)	SS304
Seat (DN125-400)	Al-Bronze
O- ring	Rubber, EPDM
Diaphragm	Reinforce Rubber with Nylon
Disc	Ductile Iron

Drawing



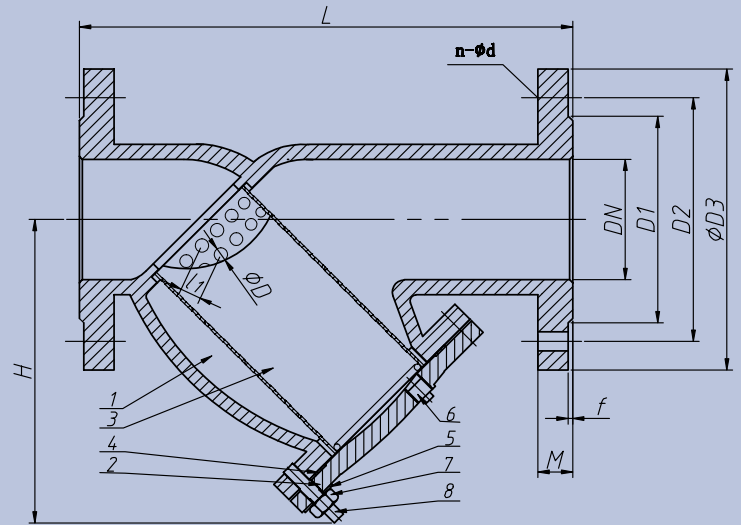
Pressure Drop Curve (Main Valve Fully Open)



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Conex | Bänninger Industrial Valves



Valves Range

YSTF Y-Strainer PN16 Flanged

No	Component	Material
1	Body	Ductile iron GGG40
2	Bonnet	Ductile iron GGG40
3	Screen	SS304
4	Gasket	EPDM
5	Washer	140HV
6	Drain Plug	KTH330-08
7	Nut	Gade 8.8
8	Bolt	Gade 8.8

Applicable Standards

Connection standard:
BS EN 1092-2

Pressure test standard:
BS EN 12266-2003

Face to face standard:
BS EN558-1 Series1

Technical Data

Size: DN50~DN400 (2"~16")

Nominal pressure: PN 16

Temperature range: 0°C ~ 80°C

Suitable for: Water

Material Certification

Epoxy powder WRAS
Certification NO: 1112500

Rubber Parts WRC-NSF
Test Reports NO: MAT/LAB 550C/1

Sealing Parts Test
Reports NO: CE/2012/20910

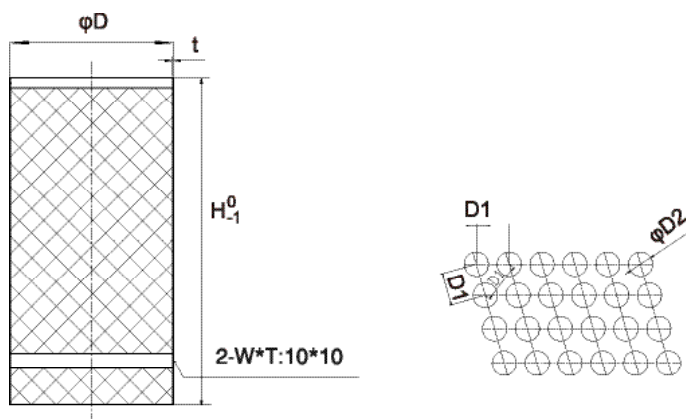
Features and Benefits:

- Designed with quality ductile iron material.
- Designed with a protective stainless steel screen to reduce damage.
- Available with a screen supported by a leg for DN150 and above to prevent damage.
- Suitable for water application.
- Available in sizes 2-16".
- Manufactured with a spacious filter area for low pressure drop.
- Available with a WRAS approved Epoxy powder coating suited for drinking water.

YSTF - Y Strainer

Europe Code	Size	DN	L	H	D2	D1	n-φd	Weight (kg)
Y0050CFCMN01SO	2"	50	230	140	99	125	4-19	10.40
Y0065CFCMN01SO	2 1/2"	65	290	161	118	145	4-19	13.80
Y0080CFCMN01SO	3"	80	310	181	132	160	8-19	16.60
Y0100CFCMN01SO	4"	100	350	210	156	180	8-19	23.20
Y0125CFCMN01SO	5"	125	400	250	184	210	8-19	32.50
Y0150CFCMN01SO	6"	150	480	308	211	240	8-23	43.90
Y0200CFCMN01SO	8"	200	600	406	266	295	12-23	66.10
Y0250CFCMN01SO	10"	250	730	476	319	355	12-28	113.50
Y0300CFCMN01SO	12"	300	850	543	370	410	12-28	151.50
Y0350CFCMN01SO	14"	350	980	576	429	470	16-28	239.50
Y0400CFCMN01SO	16"	400	1100	596	480	525	16-31	380.00

* Available in PN10 & PN25 - For more details please contact the sales team.



YSTF - Mesh Data - unit: mm

DN	H	D	t	D1	φD2	Filter area	Kv(m3/h)	ε
50	109	60	0.8	4	φ2	333%	66.7	2.20
65	136	75	0.8	4	φ2	307%	89.0	3.50
80	159	90	0.8	4	φ2	284%	127.0	4.00
100	189	110	0.8	4	φ2	265%	200.0	3.90
125	223	135	0.8	5	φ3	245%	364.0	2.60
150	262	160	0.8	5	φ3	237%	494.0	3.30
200	330	210	1.2	7	φ5	221%	937.0	2.90
250	401	260	1.2	7	φ5	213%	1137.0	4.80
300	461	310	1.2	7	φ5	207%	1844.0	3.80
350	633	360	1.2	7	φ5	237%	2215.0	4.80
400	700	410	1.2	7	φ5	229%	3250.0	3.80



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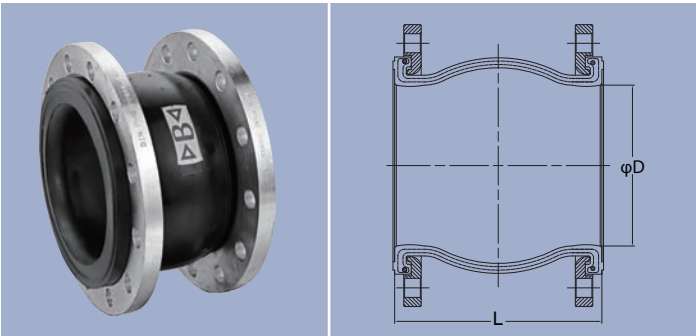
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S10 Series Rubber Flexible Joint
PN16 Flanged Single Ball Type



Features and Benefits:

- High impact resistance rubber with nylon wire and stainless steel wire, is able to bear high pressure flows without anyinfluence on the product tensile strength.
- High reliability: 100000 times bending fatigue test, to make sure the long life cycle.
- Flexible rubber, to protect the pipeline from shake.
- Flexible joints are under American Chubb insured.



Single Ball Rubber Flexible Joint - S10 unit:mm						
NO	DN	φD	L	Weight (kg)	Europe Code	Other Code
28261570001	50	2"	105	4.8	J0050CFMMNMSSE	J0050CFMMNMSSO
28261580003	65	2 1/2"	115	5.6	J0065CFMMNMSSE	J0065CFMMNMSSO
28261580004	80	3"	130	6.8	J0080CFMMNMSSE	J0080CFMMNMSSO
28261580005	100	4"	135	7.8	J0100CFMMNMSSE	J0100CFMMNMSSO
28261590005	125	5"	170	11.1	J0125CFMMNMSSE	J0125CFMMNMSSO
28261590006	150	6"	180	12.8	J0150CFMMNMSSE	J0150CFMMNMSSO
28261590007	200	8"	205	15.9	J0200CFMMNMSSE	J0200CFMMNMSSO
28261590008	250	10"	240	18.9	J0250CFMMNMSSE	J0250CFMMNMSSO
28261590009	300	12"	260	21.5	J0300CFMMNMSSE	J0300CFMMNMSSO
28261590015	350	14"	265	25.7	J0350CFMMNMSSE	J0350CFMMNMSSO
28261590016	400	16"	265	30.1	J0400CFMMNMSSE	J0400CFMMNMSSO
28261590017	450	18"	265	36.1	J0450CFMMNMSSE	J0450CFMMNMSSO
28261590018	500	20"	265	43.2	J0500CFMMNMSSE	J0500CFMMNMSSO
28261590019	600	24"	265	50.8	J0600CFMMNMSSE	J0600CFMMNMSSO



Applicable Standards:

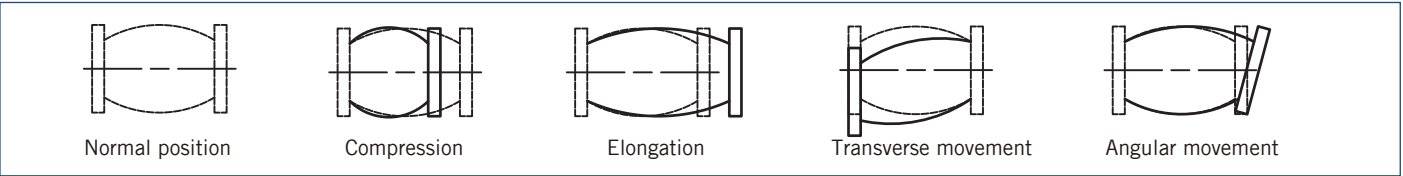
Connection standard: GB/T17241.6-1998
Pressure test standard: GB/T13927
Face to face standard: IBP Standard

Technical Data:

Size: DN50~DN600(2" ~24")
Nominal pressure: PN16
Temperature range: 0℃ ~80℃
Suitable for: Water, sea water
Burst test pressure: 60Kgf/cm² (DN50~DN200), 40Kgf/cm² (DN250~DN600)

Materials Specifications

No.	Component	Material
1	Body	Reinforce EPDM Rubber
2	Reinforce Material in Rubber	Nylon Wire + Stainless Steel Ware
3	Flange	Carbon Steel with Zinc Plating



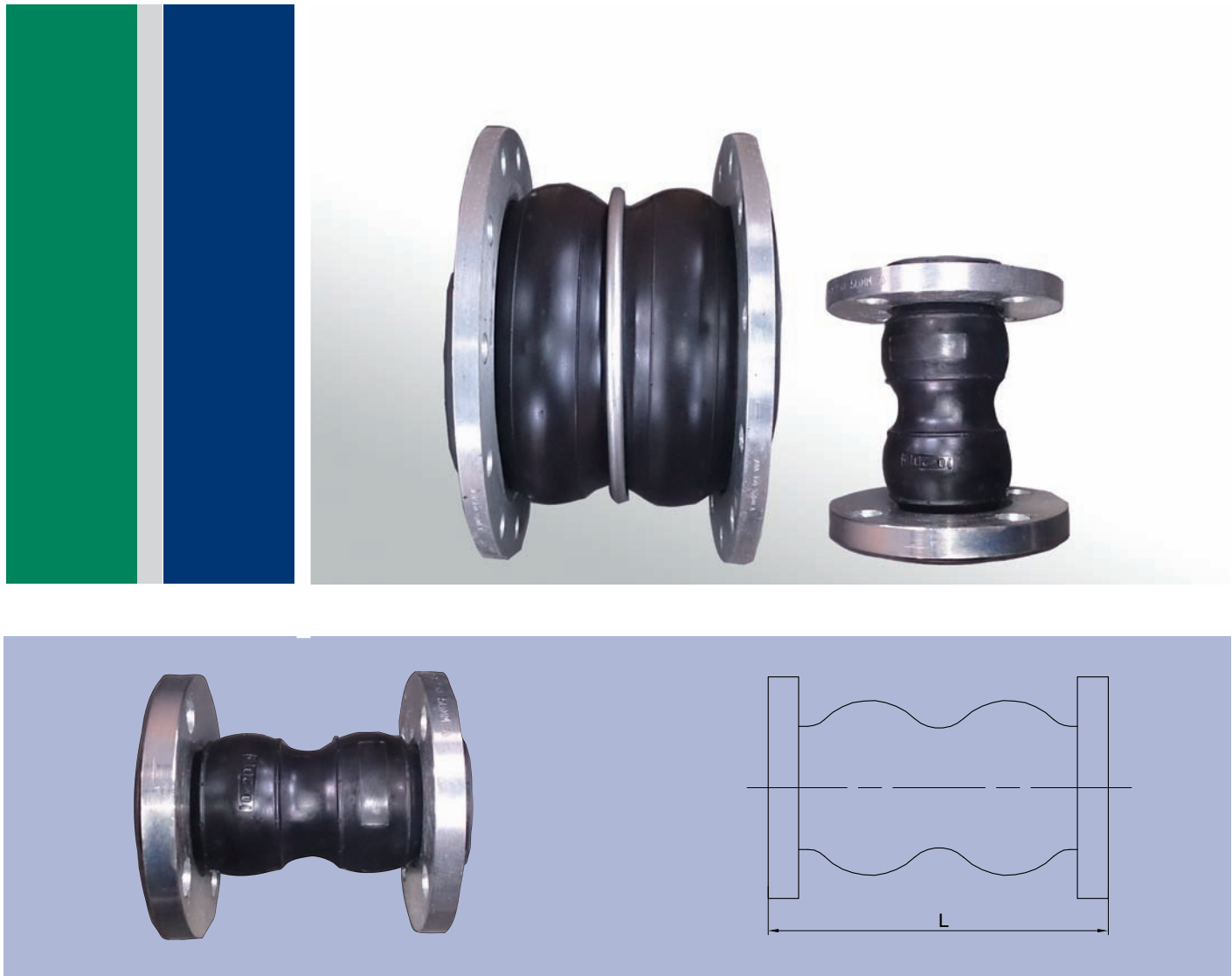
DN	Axial Compression	Axial Extension	Transversal Deflection	Angle Deflection	Max Pressure	Max Temperature	Vacuum Level
50	8	6	8	15°	10 (150)	104 (220)	660 (26.40)
65	12	6	10	15°	10 (150)	104 (220)	660 (26.40)
80	12	10	10	15°	10 (150)	104 (220)	660 (26.40)
100	18	10	12	15°	10 (150)	104 (220)	660 (26.40)
125	18	10	12	15°	10 (150)	104 (220)	660 (26.40)
150	18	14	12	15°	10 (150)	104 (220)	660 (26.40)
200	25	14	22	15°	10 (150)	104 (220)	660 (26.40)
250	25	14	22	15°	10 (150)	104 (220)	660 (26.40)
300	25	16	22	15°	10 (150)	104 (220)	660 (26.40)
350	25	16	22	15°	7 (105)	104 (220)	660 (26.40)
400	25	16	22	15°	7 (105)	104 (220)	660 (26.40)
450	25	16	22	15°	7 (105)	104 (220)	660 (26.40)
500	25	16	22	15°	7 (105)	104 (220)	660 (26.40)
600	25	16	22	15°	7 (105)	104 (220)	660 (26.40)



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S20 Series Rubber Expansion Joint
PN25 Flange Double Sphere Type



Features and Benefits:

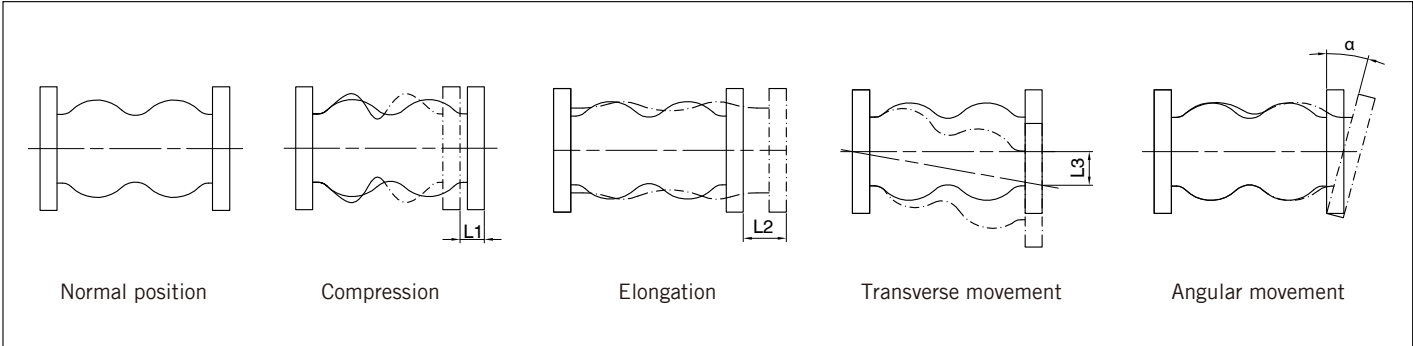
- High impact resistance rubber with nylon wire and stainless steel wire, is able to bear high pressure flows without any influence on the product tensile strength.
- High reliability: 100000 times bending fatigue test, to make sure the long life cycle.
- Flexible rubber, to protect the pipeline from shake.
- Flexible joints are under American Chubb insured.

Technical Data:

Size: DN25~DN600(1" ~24")
Nominal pressure: PN 25
Temperature range: -5°C ~ 85°C
Vacuum degree: 250mmHg
Explode pressure: 3MPa
Suitable for: Water
Connection type: Flange Connection

Applicable Standards:

Connection standard: GB/T17241.6-1998
Pressure test standard: GB/T13927
Face to face standard: IBP Standard



Double Sphere Rubber Expansion Joint - S20 unit:mm							
Type	Size	DN	L	Axial Compression	Axial Extension	Transversal Deflection	Angle Deflection
S20-0025C	1"	25	175	50	30	35	40°
S20-0032C	1 1/4"	32	175	50	30	35	40°
S20-0040C	1 1/2"	40	175	50	30	35	40°
S20-0050C	2"	50	175	50	30	35	40°
S20-0065C	2 1/2"	65	175	50	30	35	40°
S20-0080C	3"	80	175	50	30	35	40°
S20-0100C	4"	100	225	57	35	40	35°
S20-0125C	5"	125	225	57	35	40	35°
S20-0150C	6"	150	225	57	35	40	35°
S20-0200C	8"	200	325	63	35	45	30°
S20-0250C	10"	250	325	63	35	45	30°
S20-0300C	12"	300	325	63	35	45	30°
S20-0350C	14"	350	350	40	30	30	20°
S20-0400C	16"	400	350	40	30	30	20°
S20-0450C	18"	450	350	40	30	30	20°
S20-0500C	20"	500	350	40	30	30	20°
S20-0600C	24"	600	350	40	30	30	20°

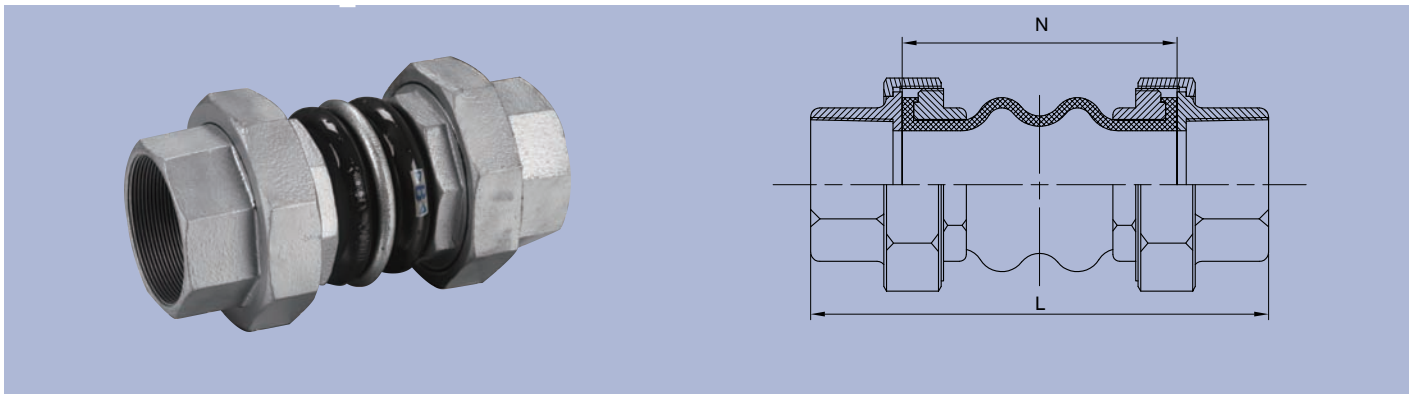
Materials Specifications		
No.	Component	Material
1	Body	EPDM
2	Strengthened lining	Nylon Wire + Stainless Steel Ware
3	Hard steel wire	Carbon Steel with Zinc Plating
4	Ring	SS304



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S30 Series Rubber Expansion Joint
PN10 Thread Double Ball Type



Features and Benefits:

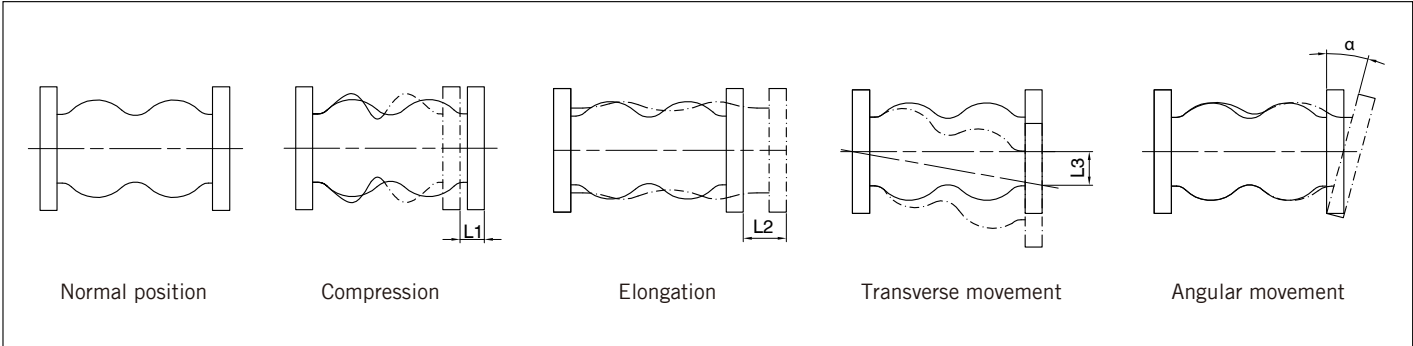
- High impact resistance rubber with nylon wire and stainless steel wire, is able to bear high pressure flows without any influence on the product tensile strength.
- High reliability: 100000 times bending fatigue test, to make sure the long life cycle.
- Flexible joints are under American Chubb insured.

Technical Data:

Size: DN15~DN80(1/2" ~3")
Nominal pressure: PN 10
Temperature range: -5°C ~ 85°C
Vacuum degree: 250mmHg
Explode pressure: 3MPa
Suitable for: Water
Connection type: Thread connection

Applicable Standards:

Test and experiment: GB/T 5563
Connection standard: GB/T 7306.1~7306.2



Double Ball Rubber Expansion Joint - S30 unit:mm										
Type	Size	DN	L	N	L1	L2	L3	α	Weight (kg)	Europe Code
S30-0015B	1/2"	15	203	157	22	6	22	45°	0.5	28261520000
S30-0020B	3/4"	20	202	152	22	6	22	45°	0.7	28261530000
S30-0025B	1"	25	200	140	22	6	22	45°	1.0	28261540001
S30-0032B	1 1/4"	32	200	140	22	6	22	45°	1.5	28261550001
S30-0040B	1 1/2"	40	200	130	22	6	22	45°	1.9	28261560001
S30-0050B	2"	50	200	120	22	6	22	45°	2.7	28261570002
S30-0065B	2 1/2"	65	240	140	22	6	22	45°	4.0	28261580008
S30-0080B	3"	80	240	140	22	6	22	45°	5.5	28261580009

Materials Specifications

No.	Component	Material
1	Body	Chloroprene rubber
2	Strengthened lining	Nylon Wire + Stainless Steel Ware
3	Hard steel wire	Carbon Steel with Zinc Plating
4	Union flange	Ductile iron



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